

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

US EPA RECORDS CENTER REGION 5



470272

Facility Name: FROST COMPANY

Facility Site ID#: FST 001

Date of Sample: 09-08-86 09-09-86 09-10-86 09-11-86 _____

Parameter Units of Measure

| | | | | | | |
|------------------|------|--------------|---------------|---------------|-------------|-------|
| Antimony | ug/L | _____ | _____ | _____ | _____ | _____ |
| Arsenic | ug/L | _____ | _____ | _____ | _____ | _____ |
| Cadmium | ug/L | <u>6</u> | <u>< 4</u> | <u>< 4</u> | <u>4</u> | _____ |
| Chromium | ug/L | <u>38340</u> | <u>13520</u> | <u>8548</u> | <u>4243</u> | _____ |
| Copper | ug/L | <u>19620</u> | <u>10290</u> | <u>11890</u> | <u>6150</u> | _____ |
| Iron | mg/L | _____ | _____ | _____ | _____ | _____ |
| Lead | ug/L | <u>1280</u> | <u>210</u> | <u>90</u> | <u>400</u> | _____ |
| Manganese | ug/L | _____ | _____ | _____ | _____ | _____ |
| Mercury | ug/L | _____ | _____ | _____ | _____ | _____ |
| Nickel | ug/L | <u>26280</u> | <u>937</u> | <u>257</u> | <u>781</u> | _____ |
| Potassium | mg/L | _____ | _____ | _____ | _____ | _____ |
| Selenium | ug/L | _____ | _____ | _____ | _____ | _____ |
| Silver | ug/L | _____ | _____ | _____ | _____ | _____ |
| Zinc | ug/L | <u>7488</u> | <u>2022</u> | <u>2281</u> | <u>2673</u> | _____ |
| Cyanide | mg/L | <u>0.02</u> | <u>0.30</u> | <u>0.01</u> | <u>0.01</u> | _____ |
| Phenol | mg/L | _____ | _____ | _____ | _____ | _____ |
| Oil & Grease | mg/L | _____ | _____ | _____ | _____ | _____ |
| BOD ₅ | mg/L | _____ | _____ | _____ | _____ | _____ |
| Phosphorus | mg/L | _____ | _____ | _____ | _____ | _____ |
| pH | -- | _____ | _____ | _____ | _____ | _____ |
| Susp. Solids | mg/L | _____ | _____ | _____ | _____ | _____ |

Certified by William M. West
William M. West

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST 001

| Date of Sample: | 02-16-87 | 02-17-87 | 02-18-87 | 02-19-87 | |
|------------------|------------------|----------|----------|----------|-------|
| Parameter | Units of Measure | | | | |
| Antimony | ug/L | | | | |
| Arsenic | ug/L | | | | |
| Cadmium | ug/L | 7 | < 4 | < 4 | < 4 |
| Chromium | ug/L | 7671 | 4907 | 7156 | 10380 |
| Copper | ug/L | 4264 | 4007 | 2116 | 4117 |
| Iron | mg/L | | | | |
| Lead | ug/L | 75 | 71 | 115 | 126 |
| Manganese | ug/L | | | | |
| Mercury | ug/L | < 10 | < 10 | < 10 | < 10 |
| Nickel | ug/L | 2299 | 1302 | 2036 | 1111 |
| Potassium | mg/L | | | | |
| Selenium | ug/L | | | | |
| Silver | ug/L | < 20 | < 20 | < 20 | < 20 |
| Zinc | ug/L | 1807 | 1576 | 803 | 1415 |
| Cyanide | mg/L | 0.08 | < 0.01 | 0.02 | 0.04 |
| Phenol | mg/L | | | | |
| Oil & Grease | mg/L | 7 | 6 | 16 | 13 |
| BOD ₅ | mg/L | 18 | 15 | 19 | 15 |
| Phosphorus | mg/L | 62.0 | 28.2 | 59.0 | 65.8 |
| pH | -- | 3.1 | 6.7 | 7.3 | 6.7 |
| Susp. Solids | mg/L | 83 | 45 | 111 | 129 |

Certified by

William M. West
William M. West

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST 001

| Date of Sample: | <u>05-04-87</u> | <u>05-05-87</u> | <u>05-06-87</u> | <u>05-07-87</u> | <u> </u> | <u>Average</u> |
|------------------|-------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Flow (GPD): | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Parameter | Units of Measure | | | | | |
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u><4</u> | <u><4</u> | <u><4</u> | <u><4</u> | <u><4</u> |
| Chromium | ug/L | <u>6114</u> | <u>6240</u> | <u>6073</u> | <u>4191</u> | <u>5655</u> |
| Copper | ug/L | <u>1609</u> | <u>1384</u> | <u>1382</u> | <u>1563</u> | <u>1485</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u>81</u> | <u>136</u> | <u>650</u> | <u>372</u> | <u>310</u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>1330</u> | <u>1021</u> | <u>1014</u> | <u>860</u> | <u>1056</u> |
| Silver | ug/L | <u>6</u> | <u>6</u> | <u>9</u> | <u>5</u> | <u>7</u> |
| Zinc | ug/L | <u>585</u> | <u>552</u> | <u>544</u> | <u>866</u> | <u>637</u> |
| Cyanide | mg/L | <u>0.08</u> | <u>0.08</u> | <u>0.03</u> | <u><0.01</u> | <u><0.03</u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by William M. West

William M. West
Kenosha Water Utility
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: Frost Company

Facility Site ID#: FST 001 (Time Composite)

| | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|--|---------|
| Date of Sample: | <u>07-20-87</u> | <u>07-21-87</u> | <u>07-22-87</u> | <u>07-23-87</u> | | Average |
|-----------------|-----------------|-----------------|-----------------|-----------------|--|---------|

| | | | | | | |
|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|
| Flow (GPD): | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | |
|-------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|--|

Parameter Units of Measure

| | | | | | | |
|----------------|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u> </u> | <u><5</u> | <u><5</u> | <u>5</u> | <u><5</u> |
| Chromium | ug/L | <u> </u> | <u>3780</u> | <u>4145</u> | <u>3823</u> | <u>3916</u> |
| Copper | ug/L | <u> </u> | <u>3987</u> | <u>3748</u> | <u>3937</u> | <u>3877</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u> </u> | <u>150</u> | <u>96</u> | <u>70</u> | <u>105</u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u> </u> | <u>502</u> | <u>593</u> | <u>426</u> | <u>507</u> |
| Silver | ug/L | <u> </u> | <u>181</u> | <u>93</u> | <u>116</u> | <u>130</u> |
| Zinc | ug/L | <u> </u> | <u>978</u> | <u>861</u> | <u>628</u> | <u>822</u> |
| Cyanide (grab) | mg/L | <u><.01</u> | <u>.01</u> | <u><.01</u> | <u>.10</u> | <u><.03</u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by



Terry L. Meyer
Kenosha Water Utility
Industrial Wastewater Specialist

INDUSTRIAL PRETREATMENT ADVISORY COMMITTEE

MEETING - FEBRUARY 11, 1988

A G E N D A

1. NR105 & 106
 - A. PERMIT LIMITS (SEE HANDOUT)
 - B. HOW WILL THIS AFFECT INDUSTRY?

2. TIME LINE FOR RULES.
 - A. NR106 PUBLIC HEARING
FEBRUARY 15, 1988 10:30 A.M.
BROOKFIELD ROOM
WAUKESHA COUNTY OFFICE BLDG.
500 RIVERVIEW AVENUE

FEBRUARY 12, 1988 MADISON
FEBRUARY 16, 1988 APPLETON
FEBRUARY 17, 1988 MARSHFIELD
 - B. NR106 COMMENTS THRU FEBRUARY 29, 1988.
 - C. NR105 & 106 TO NATURAL RESOURCES BOARD, APRIL, MILW
 - D. LEGISLATIVE COMMITTEES FOR FINAL PASSAGE, SEPTEMBER

3. WHEN WILL NUMBERS APPEAR IN PERMIT? *ISSUED JUNE, 1988.*
4. BIOMONITORING
5. QUESTIONS ON PRETREATMENT PROGRAM

WPDES PERMIT LEVELS

Levels that would appear in our permit assuming, no lake background data, 105 & 106 as per public hearing.

Chronic criteria end of pipe - no mixing zone

| Limit | Group | Meet Limit |
|-------------------|-------|------------|
| Cd - 0.058 | WDAC | No |
| Cr+3 - 25.2 | FAL | No |
| Cu - 5.83 | FAL | No |
| Pb - 2.3 | HTC | No |
| Ni - 101.1 | FAL | No |
| Zn - 49.79 | FAL | No |
| Mercury - 4.9ug/L | HTC | ? 10LOD |
| Arsenic - 0.025 | HCC | |
| Cyanide - 3.36 | FAL | ? 10LOD |

Monthly average will be figured on a mass basis

| | lbs/day allowed | lbs/day annual average |
|------|-----------------|------------------------|
| Cd | .01 | .09 |
| Cr+3 | .046 | 1.39 |
| Cu | 1.07 | 6.45 |
| Zn | 9.14 | 9.3 |
| Pb | 0.42 | 1.2 |
| Ni | 18.55 | 5.2 |

22,000,000 GPD

PERMIT

PERMIT
ALLOWANCE

RIGHT NOW
ACTUAL
FROM POTW

INDUSTRIAL FLOW ONLY
7,000,000 GPD

SUMMARY OF MAJOR INDUSTRIAL INFLUENT AT KENOSHA POTW
(lbs/day)

| <u>Industry</u> | <u>Year</u> | <u>Cd</u> | <u>% of Total</u> | <u>Ni</u> | <u>% of Total</u> | <u>Pb</u> | <u>% of Total</u> |
|----------------------------------|-------------|-----------|-------------------|-----------|-------------------|-----------|-------------------|
| American Brass Co. | 1986 | .092 | 40.0 | .119 | 2.4 | .285 | 3.0 |
| | 1987 | .069 | 36.7 | .247 | 9.0 | .293 | 13.2 |
| Chrysler Motors 3,000,000 GPD | 1986 | .039 | 16.9 | .714 | 14.7 | .474 | 5.0 |
| | 1987 | .052 | 27.6 | .652 | 23.7 | .477 | 21.5 |
| Arneson Foundry | 1986 | .002 | 1.0 | .033 | 0.68 | .062 | 0.66 |
| | 1987 | .007 | 3.0 | .156 | 5.7 | .045 | 2.20 |
| C & L Cleaners | 1986 | .008 | 3.4 | .014 | 0.29 | .089 | 0.90 |
| | 1987 | .005 | 2.6 | .004 | 0.14 | .256 | 11.5 |
| Finishing & Plating | 1986 | .049 | 21.3 | .010 | 0.20 | .002 | 0.02 |
| | 1987 | .001 | 0.53 | .007 | 0.25 | .001 | 0.04 |
| Frost Company | 1986 | .002 | 1.0 | 2.48 | 51.3 | .235 | 2.5 |
| | 1987 | .004 | 2.1 | 0.96 | 35.0 | .129 | 5.8 |
| Kenosha Beef Intern'l | 1986 | .002 | 1.0 | .007 | 0.14 | .014 | 0.14 |
| | 1987 | .004 | 2.1 | .022 | 0.80 | .025 | 1.13 |
| Eaton Dynamatic | 1986 | .0009 | 0.39 | .044 | 0.90 | .011 | 0.10 |
| | 1987 | .001 | 0.53 | .009 | 0.33 | .011 | 0.49 |
| MacWhyte Co. | 1986 | .006 | 2.6 | 1.03 | 21.3 | 7.87 | 84.0 |
| | 1987 | .019 | 10.0 | .379 | 13.8 | .648 | 29.3 |
| Ocean Spray | 1986 | .025 | 10.0 | .125 | 2.6 | .312 | 3.3 |
| | 1987 | .025 | 10.0 | .125 | 4.5 | .312 | 14.1 |
| Snap-On Tools Corp. | 1986 | .004 | 1.7 | .256 | 5.3 | .003 | 0.03 |
| | 1987 | .001 | 0.53 | .178 | 6.5 | .004 | 0.18 |
| Waste Mgmt., Ph Run | 1986 | .001 | 0.43 | .004 | 0.08 | .010 | 0.10 |
| | 1987 | .001 | 0.53 | .004 | 0.14 | .010 | 0.40 |
| <u>Total Industrial Influent</u> | 1986 | .230 | | 4.83 | | 9.36 | |
| | 1987 | .188 | .177 | 2.74 | | 2.21 | |
| <u>Total Plant Influent</u> | 1986 | .367 | | 10.52 | | 10.52 | |
| | 1987 | .319 | .308 | 9.88 | | 6.13 | |

1986 .137 5.69 1.16
Not Ind 1987 .131 7.14 3.92

SUMMARY OF MAJOR INDUSTRIAL INFLUENT AT KENOSHA POTW
(lbs/day)

| <u>Industry</u> | <u>Year</u> | <u>Cr</u> | <u>% of Total</u> | <u>Cu</u> | <u>% of Total</u> | <u>Zn</u> | <u>% of Total</u> |
|-----------------------|-------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| American Brass Co. | 1986 | .0579 | 0.33 | 1.661 | 17.69 | 1.080 | 2.13 |
| | 1987 | .135 | 1.52 | .821 | 14.88 | .752 | 5.20 |
| Chrysler Motors | 1986 | .656 | 3.82 | .788 | 8.39 | 1.500 | 2.96 |
| | 1987 | .488 | 5.51 | .714 | 12.94 | 1.559 | 10.78 |
| Arneson Foundry | 1986 | .001 | .005 | .005 | 0.05 | 0.010 | 0.02 |
| | 1987 | .003 | .033 | .003 | 0.05 | 0.007 | 0.04 |
| C & L Cleaners | 1986 | .024 | 0.14 | .809 | 8.62 | .132 | 0.26 |
| | 1987 | .008 | 0.09 | .352 | 6.38 | .043 | 0.29 |
| Finishing & Plating | 1986 | .103 | 0.60 | .145 | 1.54 | .639 | 1.26 |
| | 1987 | .104 | 1.17 | .0012 | 0.02 | .274 | 1.89 |
| Frost Company | 1986 | 13.561 | 79.09 | 3.512 | 37.4 | 1.236 | 2.44 |
| | 1987 | 4.017 | 45.37 | 3.259 | 59.0 | 1.000 | 6.92 |
| Kenosha Beef Intern'l | 1986 | .062 | 0.36 | .045 | 0.47 | .094 | 0.18 |
| | 1987 | .034 | 0.38 | .0263 | 0.47 | .0832 | 0.57 |
| Eaton Dynamatic | 1986 | 0 | 0 | .025 | 0.26 | .0576 | 0.11 |
| | 1987 | 0 | 0 | .140 | 2.53 | .038 | 0.26 |
| MacWhyte | 1986 | .604 | 3.52 | .238 | 2.53 | 44.55 | 87.98 |
| | 1987 | .767 | 8.66 | .072 | 1.30 | 10.20 | 70.59 |
| Ocean Spray | 1986 | 0 | 0 | .297 | 3.16 | .387 | 0.76 |
| | 1987 | 0 | 0 | .093 | 1.68 | .494 | 3.41 |
| Snap-On Tools Corp. | 1986 | 2.04 | 11.89 | .095 | 1.01 | .063 | 0.12 |
| | 1987 | 3.32 | 37.50 | .039 | 0.7 | .006 | 0.04 |
| Waste Mgmt., Ph Run | 1986 | .006 | 0.03 | .002 | 0.03 | .690 | 1.37 |
| | 1987 | .013 | 0.141 | .007 | 0.126 | .216 | 1.49 |

| | | | | | |
|----------------------------------|-------------|-----------|-----------|-----------|--------|
| | | <u>Cr</u> | <u>Cu</u> | <u>Zn</u> | |
| Total Industrial Influent | 1986 | 17.145 | 9.388 | 50.632 | 91.585 |
| | 1987 | 8.852 | 5.517 | 14.449 | 33.956 |
| Total Plant Influent | 1986 | 18.045 | 47.040 | 74.210 | |
| | 1987 | 13.914 | 29.613 | 64.756 | |

| | | | | | |
|----------------|------|-------|--------|--------|--------|
| | 1986 | 0.900 | 37.652 | 23.578 | 69.117 |
| Non INDUSTRIAL | 1987 | 5.056 | 24.096 | 50.307 | 90.65 |

WPDES PERMIT LEVELS

Levels that would appear in our permit assuming, no lake background data, 105 & 106 as per public hearing.

Chronic criteria end of pipe - no mixing zone

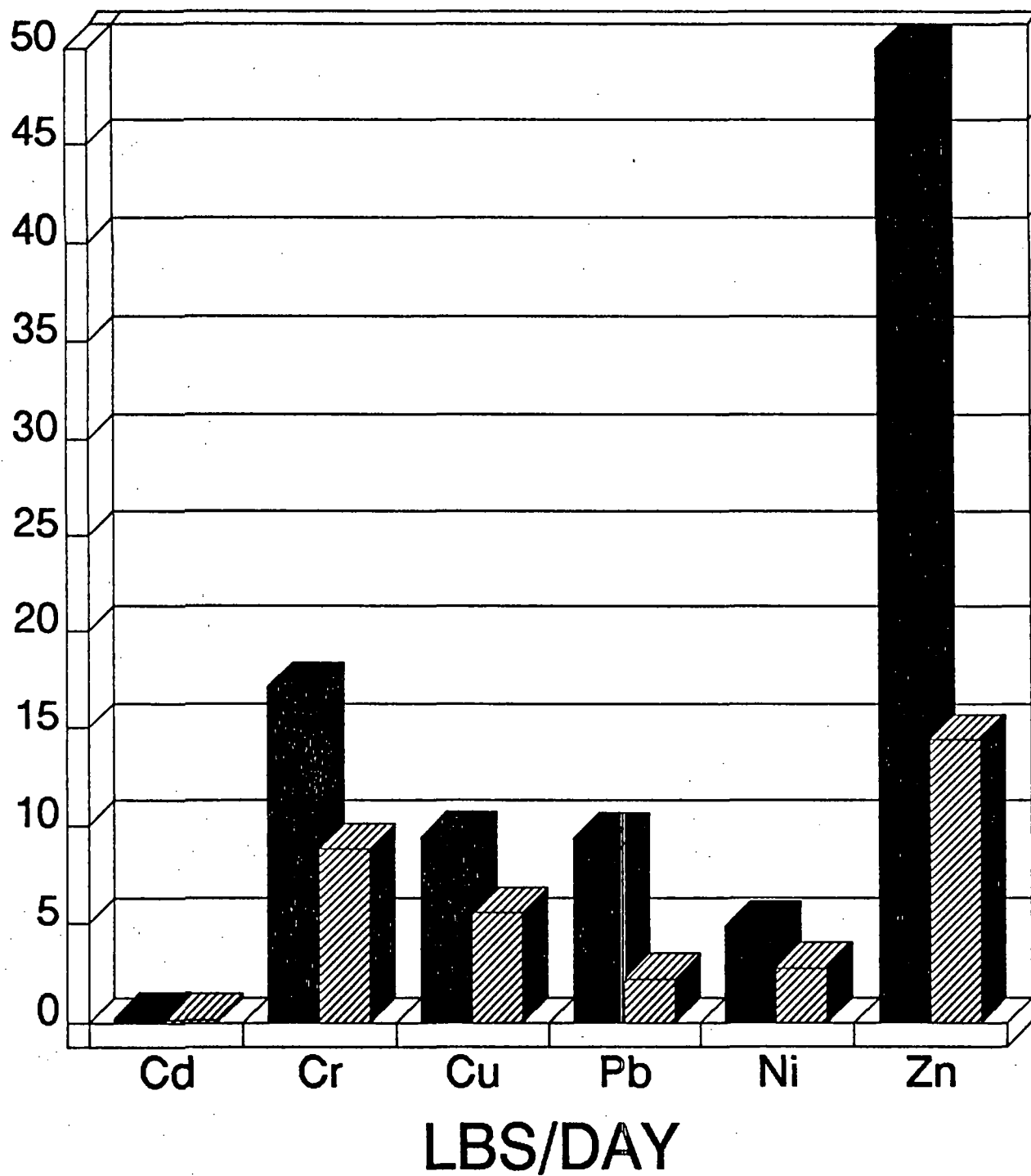
| Limit | Group | Meet Limit |
|--|-------|------------|
| Cd - 0.058 | WDAC | No |
| Cr+3 - 25.2 | FAL | No |
| Cu - 5.83 | FAL | No |
| Pb - 2.3 | HTC | No |
| Ni - 101.1 | FAL | No |
| Zn - 49.79 | FAL | No |
| Mercury - 4.9 ^{ug} _{ug} /L | HTC | ? 10LOD |
| Arsenic - 0.025 | HCC | |
| Cyanide - 3.36 | FAL | ? 10LOD |

Monthly average will be figured on a mass basis

| | lbs/day allowed | lbs/day annual average |
|------|-----------------|------------------------|
| Cd | .01 | .09 |
| Cr+3 | .046 | 1.39 |
| Cu | 1.07 | 6.45 |
| Zn | 9.14 | 9.3 |
| Pb | 0.42 | 1.2 |
| Ni | 18.55 | 5.2 |

HEAVY METALS

INDUSTRIAL CONTRIBUTION



1986



1987

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: Frost Company

Facility Site ID#: FST 001

| Date of Sample: | | <u>02-03-86</u> | <u>02-04-86</u> | <u>02-05-86</u> | <u>02-06-86</u> | |
|------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|--|
| <u>Parameter</u> | <u>Units of Measure</u> | | | | | |
| Antimony | ug/L | | | | | |
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | 4 | 3 | 1.5 | 1.5 | |
| Chromium | ug/L | 7600 | 6092 | 9155 | 7055 | |
| Copper | ug/L | 2678 | 1925 | 2170 | 2248 | |
| Iron | mg/L | | | | | |
| Lead | ug/L | 169 | 191 | 241 | 146 | |
| Manganese | ug/L | | | | | |
| Mercury | ug/L | | | < 1 | < 1 | |
| Nickel | ug/L | 2785 | 708 | 1333 | 1333 | |
| Potassium | mg/L | | | | | |
| Selenium | ug/L | | | | | |
| Silver | ug/L | | | | | |
| Zinc | ug/L | 958 | 882 | 1013 | 952 | |
| Cyanide | mg/L | 0.44 | 0.09 | 0.04 | 0.07 | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | 31 | 30 | 6 | 22 | |
| BOD ₅ | mg/L | 30 | 27 | 27 | 63 | |
| Phosphorus | mg/L | 75.6 | 69.0 | 117 | 83.6 | |
| pH | -- | 8.2 | 6.5 | 6.6 | 6.6 | |
| Susp. Solids | mg/L | 177 | 120 | 179 | 281 | |

Certified by

William M. West
William M. West

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| Date of Sample: | | <u>09-08-86</u> | <u>09-09-86</u> | <u>09-10-86</u> | <u>09-11-86</u> | |
|------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|--|
| <u>Parameter</u> | <u>Units of Measure</u> | | | | | |
| Antimony | ug/L | | | | | |
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | | | | | |
| Chromium | ug/L | | | | | |
| Copper | ug/L | | | | | |
| Iron | mg/L | | | | | |
| Lead | ug/L | | | | | |
| Manganese | ug/L | | | | | |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | | | | | |
| Potassium | mg/L | | | | | |
| Selenium | ug/L | | | | | |
| Silver | ug/L | 34 | < 20 | < 20 | < 20 | |
| Zinc | ug/L | | | | | |
| Cyanide | mg/L | | | | | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD ₅ | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by

William M. West
William M. West

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| Date of Sample: | <u>10-26-87</u> | <u>10-27-87</u> | <u>10-28-87</u> | <u>10-29-87</u> | <u>Average</u> |
|------------------|-------------------------|-----------------|-----------------|-----------------|----------------|
| Flow (GPD): | | | | | |
| Parameter | Units of Measure | | | | |
| Arsenic | ug/L | | | | |
| Cadmium | ug/L | <6 | <6 | <6 | <6 |
| Chromium | ug/L | 5066 | 4442 | 4370 | 3114 |
| Copper | ug/L | 2002 | 3967 | 2648 | 2297 |
| Iron | mg/L | | | | |
| Lead | ug/L | <60 | <60 | <60 | <60 |
| Mercury | ug/L | | | | |
| Nickel | ug/L | 1825 | 654 | 652 | 452 |
| Silver | ug/L | 31 | 57 | 36 | 30 |
| Zinc | ug/L | 742 | 1846 | 1149 | 1112 |
| Cyanide (grab) | mg/L | <.010 | .069 | .026 | .054 |
| Phenol | mg/L | | | | |
| Oil & Grease | mg/L | | | | |
| BOD 5 | mg/L | | | | |
| Phosphorus | mg/L | | | | |
| pH | -- | | | | |
| Susp. Solids | mg/L | | | | |

Certified by



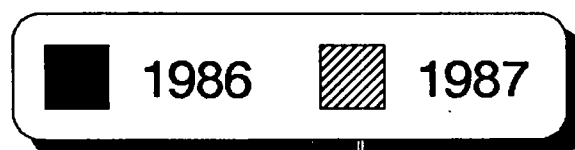
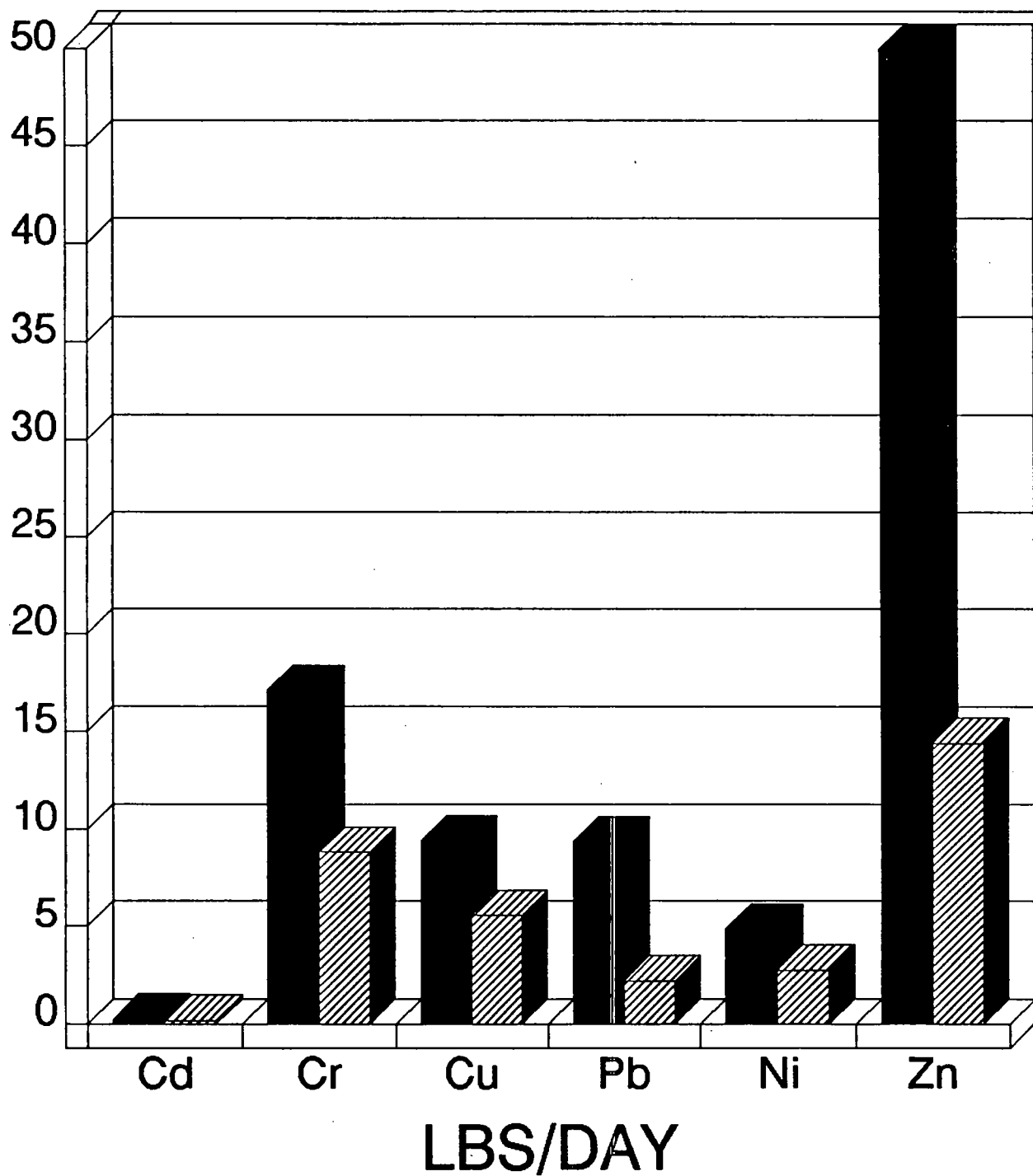
Terry L. Meyer

Kenosha Water Utility

Industrial Wastewater Specialist

HEAVY METALS

INDUSTRIAL CONTRIBUTION



WPDES PERMIT LEVELS

Levels that would appear in our permit assuming, no lake background data, 105 & 106 as per public hearing.

Chronic criteria end of pipe - no mixing zone

| Limit | Group | Meet Limit |
|--|-------|------------|
| Cd - 0.058 | WDAC | No |
| Cr+3 - 25.2 | FAL | No |
| Cu - 5.83 | FAL | No |
| Pb - 2.3 | HTC | No |
| Ni - 101.1 | FAL | No |
| Zn - 49.79 | FAL | No |
| Mercury - 4.9 ^{ng} _{ug} /L | HTC | ? 10LOD |
| Arsenic - 0.025 | HCC | |
| Cyanide - 3.36 | FAL | ? 10LOD |

Monthly average will be figured on a mass basis

| | lbs/day allowed | lbs/day annual average |
|------|-----------------|------------------------|
| Cd | .01 | .09 |
| Cr+3 | .046 | 1.39 |
| Cu | 1.07 | 6.45 |
| Zn | 9.14 | 9.3 |
| Pb | 0.42 | 1.2 |
| Ni | 18.55 | 5.2 |

1 lb too good, too

SUMMARY OF MAJOR INDUSTRIAL INFLUENT AT KENOSHA POTW
(lbs/day)

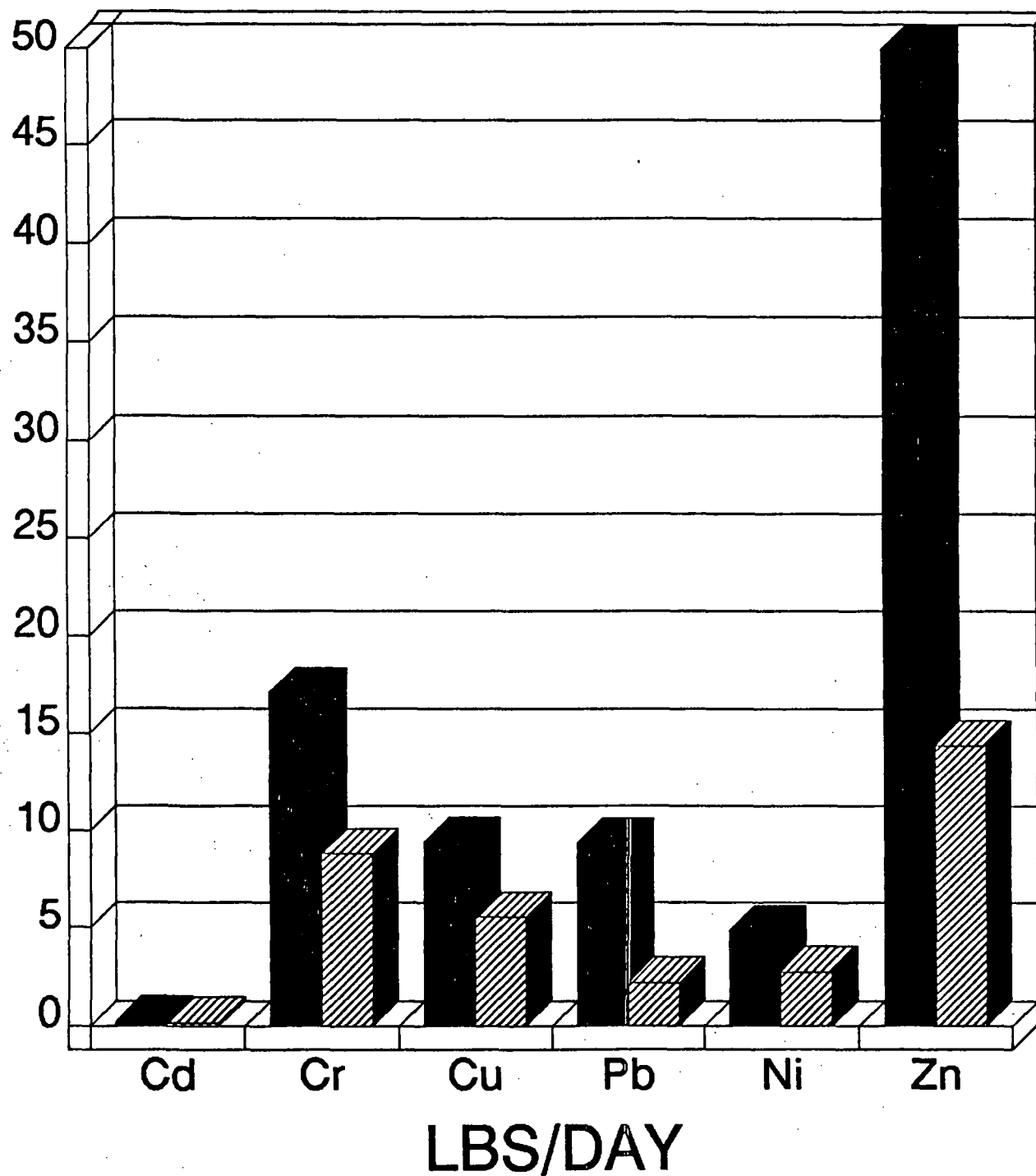
| <u>Industry</u> | <u>Year</u> | <u>Cd</u> | <u>% of Total</u> | <u>Ni</u> | <u>% of Total</u> | <u>Pb</u> | <u>% of Total</u> |
|----------------------------------|-------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| American Brass Co. | 1986 | .092 | 40.0 | .119 | 2.4 | .285 | 3.0 |
| | 1987 | .069 | 36.7 | .247 | 9.0 | .293 | 13.2 |
| Chrysler Motors | 1986 | .039 | 16.9 | .714 | 14.7 | .474 | 5.0 |
| | 1987 | .052 | 27.6 | .652 | 23.7 | .477 | 21.5 |
| Arneson Foundry | 1986 | .002 | 1.0 | .033 | 0.68 | .062 | 0.66 |
| | 1987 | .007 | 3.0 | .156 | 5.7 | .045 | 2.20 |
| C & L Cleaners | 1986 | .008 | 3.4 | .014 | 0.29 | .089 | 0.90 |
| | 1987 | .005 | 2.6 | .004 | 0.14 | .256 | 11.5 |
| Finishing & Plating | 1986 | .049 | 21.3 | .010 | 0.20 | .002 | 0.02 |
| | 1987 | .001 | 0.53 | .007 | 0.25 | .001 | 0.04 |
| Frost Company | 1986 | .002 | 1.0 | 2.48 | 51.3 | .235 | 2.5 |
| | 1987 | .004 | 2.1 | 0.96 | 35.0 | .129 | 5.8 |
| Kenosha Beef Intern'l | 1986 | .002 | 1.0 | .007 | 0.14 | .014 | 0.14 |
| | 1987 | .004 | 2.1 | .022 | 0.80 | .025 | 1.13 |
| Eaton Dynamic | 1986 | .0009 | 0.39 | .044 | 0.90 | .011 | 0.10 |
| | 1987 | .001 | 0.53 | .009 | 0.33 | .011 | 0.49 |
| MacWhyte Co. | 1986 | .006 | 2.6 | 1.03 | 21.3 | 7.87 | 84.0 |
| | 1987 | .019 | 10.0 | .379 | 13.8 | .648 | 29.3 |
| Ocean Spray | 1986 | .025 | 10.0 | .125 | 2.6 | .312 | 3.3 |
| | 1987 | .025 | 10.0 | .125 | 4.5 | .312 | 14.1 |
| Snap-On Tools Corp. | 1986 | .004 | 1.7 | .256 | 5.3 | .003 | 0.03 |
| | 1987 | .001 | 0.53 | .178 | 6.5 | .004 | 0.18 |
| Waste Mgmt., Ph Run | 1986 | .001 | 0.43 | .004 | 0.08 | .010 | 0.10 |
| | 1987 | .001 | 0.53 | .004 | 0.14 | .010 | 0.40 |
| <u>Total Industrial Influent</u> | 1986 | .230 | | 4.83 | | 9.36 | |
| | 1987 | .188 | | 2.74 | | 2.21 | |
| <u>Total Plant Influent</u> | 1986 | .367 | | 10.52 | | 10.52 | |
| | 1987 | .319 | | 9.88 | | 6.13 | |

SUMMARY OF MAJOR INDUSTRIAL INFLUENT AT KENOSHA POTW
(lbs/day)

| <u>Industry</u> | <u>Year</u> | <u>Cr</u> | <u>% of Total</u> | <u>Cu</u> | <u>% of Total</u> | <u>Zn</u> | <u>% of Total</u> |
|---------------------------|-------------|-----------|-----------------------|-----------|-----------------------|-----------|-----------------------|
| American Brass Co. | 1986 | .0579 | 0.33 | 1.661 | 17.69 | 1.080 | 2.13 |
| | 1987 | .135 | 1.52 | .821 | 14.88 | .752 | 5.20 |
| Chrysler Motors | 1986 | .656 | 3.82 | .788 | 8.39 | 1.500 | 2.96 |
| | 1987 | .488 | 5.51 | .714 | 12.94 | 1.559 | 10.78 |
| Arneson Foundry | 1986 | .001 | .005 | .005 | 0.05 | 0.010 | 0.02 |
| | 1987 | .003 | .033 | .003 | 0.05 | 0.007 | 0.04 |
| C & L Cleaners | 1986 | .024 | 0.14 | .809 | 8.62 | .132 | 0.26 |
| | 1987 | .008 | 0.09 | .352 | 6.38 | .043 | 0.29 |
| Finishing & Plating | 1986 | .103 | 0.60 | .145 | 1.54 | .639 | 1.26 |
| | 1987 | .104 | 1.17 | .0012 | 0.02 | .274 | 1.89 |
| Frost Company | 1986 | 13.561 | 79.09 | 3.512 | 37.4 | 1.236 | 2.44 |
| | 1987 | 4.017 | 45.37 | 3.259 | 59.0 | 1.000 | 6.92 |
| Kenosha Beef Intern'l | 1986 | .062 | 0.36 | .045 | 0.47 | .094 | 0.18 |
| | 1987 | .034 | 0.38 | .0263 | 0.47 | .0832 | 0.57 |
| Eaton Dynamic | 1986 | 0 | 0 | .025 | 0.26 | .0576 | 0.11 |
| | 1987 | 0 | 0 | .140 | 2.53 | .038 | 0.26 |
| MacWhyte | 1986 | .604 | 3.52 | .238 | 2.53 | 44.55 | 87.98 |
| | 1987 | .767 | 8.66 | .072 | 1.30 | 10.20 | 70.59 |
| Ocean Spray | 1986 | 0 | 0 | .297 | 3.16 | .387 | 0.76 |
| | 1987 | 0 | 0 | .093 | 1.68 | .494 | 3.41 |
| Snap-On Tools Corp. | 1986 | 2.04 | 11.89 | .095 | 1.01 | .063 | 0.12 |
| | 1987 | 3.32 | 37.50 | .039 | 0.7 | .006 | 0.04 |
| Waste Mgmt., Ph Run | 1986 | .006 | 0.03 | .002 | 0.03 | .690 | 1.37 |
| | 1987 | .013 | 0.141 | .007 | 0.126 | .216 | 1.49 |
| | | | <u>Cr</u> | | <u>Cu</u> | | <u>Zn</u> |
| Total Industrial Influent | 1986 | | 17.145 | | 9.388 | | 50.632 |
| | 1987 | | 8.852 | | 5.517 | | 14.449 |
| Total Plant Influent | 1986 | | 18.045 | | 47.040 | | 74.210 |
| | 1987 | | 13.914 | | 29.613 | | 64.756 |

HEAVY METALS

INDUSTRIAL CONTRIBUTION



1986



1987

TO: INDUSTRIAL USERS AFFECTED BY WITHDRAWAL OF REMOVAL CREDITS
COMPLIANCE/ENFORCEMENT RESPONSES

FROM: TERRY L. MEYER, INDUSTRIAL WASTEWATER SPECIALIST

- A.) IN COMPLIANCE WITHOUT RC, EXPECTED TO MAINTAIN COMPLIANCE STATUS WITHOUT RC ON A CONTINUING BASIS.
- B.) NOT IN COMPLIANCE WITHOUT RC AND HAVE ACTED IN GOOD FAITH, WERE IN COMPLIANCE WITH RC. USER MUST ESTABLISH A COMPLIANCE SCHEDULE. ENFORCEMENT DISCRETION, ALLOW UP TO 3 YEARS TO ACHIEVE COMPLIANCE FROM 9-1-87.
- C.) USER NEVER ACHIEVED COMPLIANCE, EVEN WITH RC. MUST ALSO ESTABLISH A SCHEDULE TO ACHIEVE COMPLIANCE. HOWEVER, IN THESE CASES, ENFORCEMENT SHOULD PROCEED. NOT ENTITLED TO DISCRETIONARY ENFORCEMENT PERIOD.

x

011.

Propane

80 Pound Bottles.

15.

10

HAZARDOUS COMPONENTS:

: Liquefied Petroleum Gas

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING for Second Quarter 1991.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | <u>\$ Cost per Day</u> | <u>Number of Days</u> | <u>Number of Sites</u> | <u>Total</u> |
|---|----------------------------|---------------------------|----------------------------|--------------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00

Bruce Robe Date: 6/13/91
Certified correct by lab

FEB 24 1993

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

| Date of Sample: | 1/11/93 | 1/12/93 | 1/13/93 | 1/14/93 | | Average |
|-----------------|---------|---------|---------|---------|--|---------|
| Flow (GPD): | | | | | | |

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-------|-------|-------|-------|--|--|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 220 | 300 | 160 | 550 | | |
| Copper | ug/L | 130 | 270 | 110 | 200 | | |
| Lead | ug/L | <50 | <50 | <50 | <50 | | |
| Mercury | ug/L | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Nickel | ug/L | 170 | 230 | 160 | 100 | | |
| Silver | ug/L | <5 | <5 | <5 | <5 | | |
| Zinc | ug/L | 67 | 200 | 60 | 230 | | |
| Cyanide (grab) | mg/L | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | 5 | 2 | 5 | 2 | | |
| Bod 5 | mg/L | 13 | <6 | 7 | 22 | | |
| Phosphorus | mg/L | 24.5 | 46.8 | 56.8 | 43.4 | | |
| pH | -- | 7.6 | 8.3 | 8.3 | 8.3 | | |
| Susp. Solids | mg/L | 8 | 11 | 10 | 19 | | |

CERTIFIED BY:

Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

| Date of Sample: | <u>4/19/93</u> | <u>4/20/93</u> | <u>4/21/93</u> | <u>4/22/93</u> | | <u>Average</u> |
|-----------------|----------------|----------------|----------------|----------------|--|----------------|
| Flow (GPD): | | | | | | |

Parameter Unit of Measure

| | | | | | | |
|----------------|------|-------|-------|-------|-------|--|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | |
| Chromium | ug/L | 99 | 53 | 65 | 75 | |
| Copper | ug/L | 150 | 82 | 65 | 130 | |
| Lead | ug/L | <50 | <50 | <50 | <50 | |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 91 | 65 | 82 | 66 | |
| Silver | ug/L | <5 | <5 | <5 | <5 | |
| Zinc | ug/L | 110 | 36 | 20 | 51 | |
| Cyanide (grab) | mg/L | <0.01 | <0.01 | <0.01 | <0.01 | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| Bod 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

CERTIFIED BY:

Bruce Rabe

Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

Date of Sample: 7/19/93 7/20/93 7/21/93 7/22/93 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-------|-------|-------|-------|--|--|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | .230 | .140 | .150 | .460 | | |
| Copper | ug/L | 250 | 200 | 240 | 470 | | |
| Lead | ug/L | <50 | <50 | <50 | <50 | | |
| Mercury | ug/L | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Nickel | ug/L | 97 | 56 | 450 | 650 | | |
| Silver | ug/L | <5 | <5 | <5 | <5 | | |
| Zinc | ug/L | 150 | 130 | 180 | 390 | | |
| Cyanide (grab) | mg/L | <0.01 | <0.01 | <0.01 | <0.01 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | 6 | 4 | <2 | 3 | | |
| Bod 5 | mg/L | 22 | 8 | <10 | 14 | | |
| Phosphorus | mg/L | 6.6 | 6.0 | 15.4 | 13.5 | | |
| pH | -- | 9.4 | 7.0 | 9.1 | 8.9 | | |
| Susp. Solids | mg/L | 14 | 21 | 14 | 130 | | |

CERTIFIED BY:

Bruce Rabe

Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

| | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Date of Sample: | <u>11/01/93</u> | <u>11/02/93</u> | <u>11/03/93</u> | <u>11/04/93</u> | <u> </u> | <u>Average</u> |
| Flow (GPD): | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>63</u> | <u>340</u> | <u>130</u> | <u>220</u> | <u> </u> | <u> </u> |
| Copper | ug/L | <u>170</u> | <u>370</u> | <u>110</u> | <u>110</u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><50</u> | <u><50</u> | <u><50</u> | <u><50</u> | <u> </u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>400</u> | <u>570</u> | <u>150</u> | <u>86</u> | <u> </u> | <u> </u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>56</u> | <u>160</u> | <u>33</u> | <u>40</u> | <u> </u> | <u> </u> |
| Cyanide (grab) | mg/L | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Bod 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

CERTIFIED BY: _____



**Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist**

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING, Second bi-annual sampling, 1992.

Company: Frost Company
6523 - 14th AV

Site #: FST-001

C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 1 | 00.00 |

Analytical Analysis Fees:

1. Metals

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Mercury | 30.00 | 4 | 1 | 120.00 |
| f. Nickel | 25.00 | 4 | 1 | 100.00 |
| g. Silver | 25.00 | 4 | 1 | 100.00 |
| h. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic

| | | | | |
|---------------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
| b. Oil & Grease | 20.00 | 4 | 1 | 80.00 |
| c. pH | 10.00 | 4 | 1 | 40.00 |
| d. Suspended Solids | 8.00 | 4 | 1 | 32.00 |
| e. BOD | 8.00 | 4 | 1 | 32.00 |
| f. Phosphorus | 8.00 | 4 | 1 | 32.00 |

Total for statement

\$ 1,406.00

Bruce Rake
Certified correct by lab

Date:

12/22/92

Handwritten signature

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING for First Quarter 1991.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00


Bruce R. Zie
Certified correct by lab

Date:

2/20/91

KENOSHA WATER UTILITY
812 56th STREET
KENOSHA, WI 53140-3775

ADDRESS CORRECTION REQUESTED

| | | | | |
|---|-------------------|---|--|----------------------------------|
| BILLING PERIOD FROM 01/31/94 TO 02/28/94 | |  | PRE-SORTED FIRST CLASS MAIL U.S. POSTAGE POSTCARD RATE PD. PERMIT NO. 5010 | |
| METER READINGS PREVIOUS 4795 PRESENT 10252 | | | 100 CU. FT. USED 457 | ACCOUNT NUMBER 46523 1415 300 |
| MTR. SZ. 2" | | REG.# 2485559 | DUE DATE 04/20/94 | |
| WATER \$305.35 | SEWERAGE \$728.56 | H.H.W. 0.00 | PREV. AMTS. \$7,605.12 | NET AMOUNT DUE \$8,639.03 |

KENOSHA WATER UTILITY
PHONE 653-4300
8:00 - 4:30 MON. - FRI.

51

4652314153000008639033

ACCOUNT NUMBER
A46523 1415 300

PRESENT AMOUNTS

WATER..... \$305.35
SEWERAGE..... \$728.56

HOUSEHOLD HAZARDOUS WASTE ..

PREVIOUS AMOUNT

\$7,605.12

LESS SPRINKLING AMOUNT ...

METER SIZE
IN
2"

CAR-RT SORT **CR603

FROST CO
6523 14TH AV
KENOSHA WI 53143

DUE DATE
04/20/94

NET AMOUNT DUE
\$8639.03


TYPE

SERVICE FOR
6523 14TH AV

RETURN THIS STUB WITH PAYMENT

KENOSHA WATER UTILITY
812 56th STREET
KENOSHA, WI 53140-3775

ADDRESS CORRECTION REQUESTED

| | | | | |
|--|---------------------|---|--|----------------------------------|
| BILLING PERIOD FROM 01/31/94 TO 02/28/94 | |  | PRE-SORTED FIRST CLASS MAIL U.S. POSTAGE POSTCARD RATE PD. PERMIT NO. 5010 | |
| METER READINGS PREVIOUS 66614 PRESENT 67258 | | | 100 CU. FT. USED 1959 | ACCOUNT NUMBER 46523 1415 200 |
| MTR. SZ. 4" | | REG.# 4506767 | DUE DATE 04/20/94 | |
| WATER \$1,091.46 | SEWERAGE \$3,115.84 | H.H.W. 0.00 | PREV. AMT \$15,770.94 | NET AMOUNT DUE \$19,978.24 |

KENOSHA WATER UTILITY
PHONE 653-4300
8:00 - 4:30 MON. - FRI.

50

4652314152000019978243

ACCOUNT NUMBER
A46523 1415 200

PRESENT AMOUNTS

WATER..... \$1,091.46
SEWERAGE..... \$3,115.84

HOUSEHOLD HAZARDOUS WASTE ..

PREVIOUS AMOUNT

\$15,770.94

LESS SPRINKLING AMOUNT ...

METER SIZE
IN
4"

CAR-RT SORT **CR603

FROST CO
6523 14TH AV
KENOSHA WI 53143

DUE DATE
04/20/94

NET AMOUNT DUE
\$19978.24

TYPE

SERVICE FOR
6523 14TH AV

RETURN THIS STUB WITH PAYMENT

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY SERVICES

ITEMIZED BILLING, First Quarter 1994.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00

 Date: 3/8/94
Certified correct by lab

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/11/93

DATE RECEIVED: 01/14/93

GML SAMPLE CODE: 0102F-93

ANALYSIS COMPLETED: 01/21/93

REPORT NUMBER: 0059

REPORT DATE: 01/21/93

| SAMPLE DESCRIPTION | 01/11/93 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.182 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.123 mg/L | 0.020 mg/L |
| T. Nickel | 0.155 mg/L | 0.040 mg/L |
| T. Zinc | 0.091 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING, Fourth Quarter 1993.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

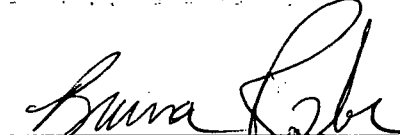
| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00

INVESTIGATOR'S SIGNATURE


Certified correct by lab

Date: 1/21/94

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING for Third Quarter 1991.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00

Bruce Kaku Date: 8/22/91
Certified correct by lab

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION

LABORATORY SERVICES

ITEMIZED BILLING for fourth Quarter 1991.

Company: Frost Company
6523 - 14th Avenue

Site #: FST-001
C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | \$ Cost per Day | Number of Days | Number of Sites | Total |
|---|--------------------|-------------------|--------------------|--------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 0 | 0.00 |

Analytical Analysis Fees:

1. Metal parameters

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Silver | 25.00 | 4 | 1 | 100.00 |
| g. Zinc | 25.00 | 4 | 1 | 100.00 |

2. Inorganic parameter

| | | | | |
|------------|-------|---|---|--------|
| a. Cyanide | 30.00 | 4 | 1 | 120.00 |
|------------|-------|---|---|--------|

Total for statement \$ 1,070.00

Bruce Kabe
Certified correct by lab

Date: 12/4/91

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY SERVICES

cb

ITEMIZED BILLING, Additional Monitoring, June 1992.

Company: Frost Company
6523 - 14th AV

Site #: FST-001

C.O. #: 1251

| <u>Monitoring & Sampling Fees:</u> | <u>\$ Cost per Day</u> | <u>Number of Days</u> | <u>Number of Sites</u> | <u>Total</u> |
|---|----------------------------|---------------------------|----------------------------|--------------|
| 1. Daily Inspection and Collection of Sample | 50.00 | 5 | 1 | 250.00 |
| 2. Equipment Use | 60.00 | 0 | 1 | 00.00 |

Analytical Analysis Fees:

1. Metals

| | | | | |
|-------------|-------|---|---|--------|
| a. Cadmium | 25.00 | 4 | 1 | 100.00 |
| b. Chromium | 25.00 | 4 | 1 | 100.00 |
| c. Copper | 25.00 | 4 | 1 | 100.00 |
| d. Lead | 25.00 | 4 | 1 | 100.00 |
| e. Nickel | 25.00 | 4 | 1 | 100.00 |
| f. Zinc | 25.00 | 4 | 1 | 100.00 |

Total for statement \$ 850.00

Bruce Rabe
Certified correct by lab

Date:

7/6/92

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 1/14/91 1/15/91 1/16/91 1/17/91 Average

Flow (GPD): #66 #67 #68 #69

Parameter Units of Measure

| | | | | | | |
|----------------|------|-------|-------|-------|-------|-----------|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | 210 ug/L |
| Chromium | ug/L | 160 | 170 | 150 | 89 | .142 mg/L |
| Copper | ug/L | 230 | 280 | 440 | 340 | .322 mg/L |
| Iron | mg/L | | | | | |
| Lead | ug/L | <40 | <40 | 52 | <40 | .043 mg/L |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 370 | 390 | 980 | 290 | .507 mg/L |
| Silver | ug/L | <5 | <5 | <5 | <5 | 25 ug/L |
| Zinc | ug/L | 83 | 220 | 170 | 81 | .138 mg/L |
| Cyanide (grab) | mg/L | 0.002 | 0.002 | 0.002 | 0.002 | .002 |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| | | | | | | |
|-----------------|----------------|----------------|----------------|----------------|--|-----------------------|
| Date of Sample: | <u>4/15/91</u> | <u>4/16/91</u> | <u>4/17/91</u> | <u>4/18/91</u> | | <u>Average</u> |
| Flow (GPD): | <u># 77</u> | <u># 78</u> | <u># 79</u> | <u># 80</u> | | |

Parameter Units of Measure

| | | | | | | |
|----------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> |
| Chromium | ug/L | <u>79</u> | <u>800</u> | <u>190</u> | <u>540</u> | <u> </u> |
| Copper | ug/L | <u>490</u> | <u>950</u> | <u>390</u> | <u>400</u> | <u> </u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><40</u> | <u>400</u> | <u>48</u> | <u><40</u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>210</u> | <u>500</u> | <u>190</u> | <u>220</u> | <u> </u> |
| Silver | ug/L | <u><5</u> | <u>10</u> | <u><5</u> | <u><5</u> | <u> </u> |
| Zinc | ug/L | <u>71</u> | <u>620</u> | <u>88</u> | <u>65</u> | <u> </u> |
| Cyanide (grab) | mg/L | <u>0.002</u> | <u>0.001</u> | <u><0.001</u> | <u>0.002</u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 7/15/91 7/16/91 7/17/91 7/18/91 Average

Flow (GPD): SAMPLE #81 #82 #83 #84

Parameter Units of Measure

| | | | | | | |
|----------------|------|-------|-------|-------|-------|------------|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | 410 |
| Chromium | ug/L | 53 | 52 | 26 | 44 | .043 mg/L |
| Copper | ug/L | 490 | 200 | 120 | 130 | .235 mg/L |
| Iron | mg/L | | | | | |
| Lead | ug/L | <40 | <40 | <40 | <40 | 40 |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 61 | 89 | 330 | 470 | .237 mg/L |
| Silver | ug/L | <5 | <5 | <5 | <5 | LS |
| Zinc | ug/L | 180 | 93 | 40 | 26 | .084 mg/L |
| Cyanide (grab) | mg/L | 0.004 | 0.004 | 0.004 | 0.002 | .0035 mg/L |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

Date of Sample: 10/21/91 10/22/91 10/23/91 10/24/91 Average

Flow (GPD): #93 #94 #95 #96

Parameter **Unit of Measure**

| | | | | | | | |
|----------------|------|--------|--------|--------|--------|--|-----------|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 93 | 63 | 54 | 240 | | .112 mg/L |
| Copper | ug/L | 280 | 280 | 340 | 1,600 | | .625 mg/L |
| Lead | ug/L | <40 | 55 | <40 | 66 | | |
| Mercury | ug/L | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Nickel | ug/L | 290 | 420 | 450 | 1,100 | | .565 |
| Silver | ug/L | <5 | <5 | <5 | 6 | | |
| Zinc | ug/L | 110 | 120 | 160 | 890 | | .32 mg/L |
| Cyanide (grab) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | <2 | 2 | 2 | 2 | | |
| Bod 5 | mg/L | 24 | 12 | <10 | 12 | | |
| Phosphorus | mg/L | 13 | 6.5 | 1.4 | 1.4 | | |
| pH | -- | 9.2 | 9.3 | 9.1 | 9.4 | | |
| Susp. Solids | mg/L | 15 | 13 | 14 | 33 | | |

CERTIFIED BY:

Bruce Rabe

Bruce G. Rabe

Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

WASTE

PAPER

TEST RESULTS

+

- TCLP RESULTS

- SLUDGE ANALYSIS

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414)-652-5902
1-800-284-3823

Environmental & Technical Services

TO: Mr. Paul Herbert, Environmental Innovations, Racine, WI
SUBJECT: Frost Company, Waste Management Landfill Profile,
Solid Waste

WI CERTIFICATION ID#: 252087440

P.O.#: Verbal/Herbert

SAMPLE DATE: NOT GIVEN

GML SAMPLE CODE: 4128F-89

REPORT NUMBER: 5770

REPORT DATE: 10/12/89

ANALYSIS COMPLETED: 10/12/89

| | | | |
|-----------------------|-------|---------------------|---------|
| 1. Flashpoint, deg. F | >212 | 5. Reactive Sulfide | 55 ppm |
| 2. % Alkalinity | 2.26 | 6. Total Cyanide | <1 ppm |
| 3. pH, (10% Solution) | 7.19 | 7. Reactive Cyanide | NOT REQ |
| 4. Total Solids [%] | 15.80 | | |

| | | | |
|-------------|---------|-------------|---------|
| 1. Arsenic | <0.10 | 7. Mercury | 0.033 |
| 2. Barium | 3.6 | 8. Selenium | 0.36 |
| 3. Cadmium | 1.04 | 9. Silver | 3.78 |
| 4. Chromium | 3.734.0 | 10. Nickel | 3,064.0 |
| 5. Copper | 2,170.0 | 11. Zinc | 78.0 |
| 6. Lead | 21.0 | | |

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.093 | 4. Nickel | 0.104 |
| 2. Lead | <0.010 | 5. Zinc | 5.96 |
| 3. Copper | 3.60 | | |

1. Paint Filter: NONE PRESENT
2. PENTROMETER: 0.06 kg/cm³
3. WATER MIX: No Reactions Noted
4. PHYSICAL APPERANCE: Green Clay Like Moist Soil With Lime Odor
5. PCB'S(type 1260): 3.53 ppm
6. TOTAL PHENOLICS: 0.07 mg/kg
7. % ASH: 12.38

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

LAB DIRECTOR

LAB DIRECTOR Dr. John D. Roberts, Ph.D.

ENVIRITE ANALYTICAL REPORT

SAMPLE SOURCE: Frost Company
6523 - 14th Avenue
Kenosha, WI 53141

DATE: 01/09/90

Attention: Brian Zakowski

ORIGINAL DATE OF ANALYSIS: 01/05/90
SAMPLE DESCRIPTION: Filtercake Sludge
ENVIRITE SAMPLE NUMBER: HS# 0501

RE: As received for determination for treatment

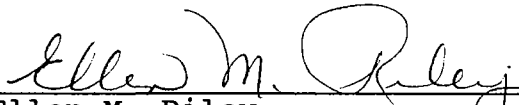
| <u>PARAMETERS</u> | <u>CONCENTRATION*</u> | <u>PARAMETERS</u> | <u>CONCENTRATION*</u> |
|-------------------|-----------------------|-------------------|-----------------------|
| pH | 8.1 | Iron | 28,000. |
| Arsenic | 1.4 | Lead | 480. |
| Barium | 41. | Mercury | 0.1 |
| Cadmium | 1.2 | Nickel | 8,100. |
| Chromium Total | 8,400. | Selenium | <0.01 |
| Chromium (+6) | <0.1 | Silver | 8.0 |
| Copper | 10,000. | Zinc | 5,000. |

| <u>PARAMETERS</u> | <u>CONCENTRATION*</u> |
|-------------------------|-----------------------|
| Anthracene | <2.0 |
| 1,2 - Diphenylhydrazine | <2.0 |
| Methylene Chloride | <0.015 |
| Methyl Ethyl Ketone | <4.0 |
| N-Nitrosodiphenylamine | <2.0 |
| Phenol | <2.0 |
| Tetrachloroethylene | <0.025 |
| Trichloroethylene | <0.025 |
| Chloroform | <0.025 |

*in ppm, unless otherwise noted

Lab procedures performed in accordance with:

- (1) Standard Methods for the Examination of Water and Wastewater, Sixteenth Edition (1985), and
- (2) Test Methods for Evaluating Solid Wastes (USEPA SW-846).


Ellen M. Riley
Assistant Operations Manager



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/13/89

LABORATORY REPORT

PAGE 1

PAPER

T025 8433717 W81

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89094-T02465 WASTE / FROST CO. / TRIAD# 626 / 023WP
DATE COLLECTED 04/04/89 DATE RECEIVED 04/04/89

| TEST NAME | RESULT | UNITS | EP TOXICITY | EP LIMIT | HAZ.CODE |
|---------------|--------|-------|-------------|----------|----------|
| BARIUM - EP | | | <0.05 | MG/L | 100.0 |
| CADMIUM - EP | | | 0.06 | MG/L | 1.0 |
| CHROMIUM - EP | | | 0.08 | MG/L | 5.0 |
| LEAD - EP | | | <0.5 | MG/L | 5.0 |
| SILVER - EP | | | <0.02 | MG/L | 5.0 |
| ARSENIC - EP | | | <0.010 | MG/L | 5.0 |
| SELENIUM - EP | | | <0.020 | MG/L | 1.0 |
| MERCURY - EP | | | 0.0005 | MG/L | 0.2 |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

EST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

P.2

DEC 16 '88 13:57 CBC



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/13/89

LABORATORY REPORT

PAGE 1

PAPER

T025 8433678 W29

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89093-T01218 FROST CO./#626/SAMPLE #1NP/WASTE
DATE COLLECTED 04/03/89 DATE RECEIVED 04/03/89

| TEST NAME | RESULT | UNITS | EP TOXICITY | EP LIMIT | HAZ.CODE |
|---------------|--------|-------|-------------|----------|----------|
| BARIUM - EP | | | <0.05 | MG/L | 100.0 |
| CADMIUM - EP | | | 0.19 | MG/L | 1.0 |
| CHROMIUM - EP | | | 0.08 | MG/L | 5.0 |
| LEAD - EP | | | <0.5 | MG/L | 5.0 |
| SILVER - EP | | | <0.02 | MG/L | 5.0 |
| ARSENIC - EP | | | <0.010 | MG/L | 5.0 |
| SELENIUM - EP | | | <0.020 | MG/L | 1.0 |
| MERCURY - EP | | | 0.0007 | MG/L | 0.2 |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

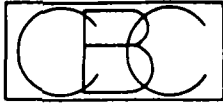
FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

P.3

DEC 16 88 13:58 CBC



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

01/12/90

LABORATORY REPORT

PAGE 1

F089 8444033 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: BRIAN ZAKOWSKI

SAMPLE 89354-F04409 WASTE /NO DATE GIVEN
DATE COLLECTED 12/20/89 DATE RECEIVED 12/20/89

| TEST NAME | RESULT | UNITS |
|--------------------------|----------|-------|
| LEAD - TCLP | <0.5 | MG/L |
| ZINC - TCLP | 7.0 | MG/L |
| CHROMIUM - TCLP | 0.08 | MG/L |
| COPPER - TCLP | 5.3 | MG/L |
| NICKEL - TCLP | 18 | MG/L |
| CYANIDE - TCLP | 0.013 | MG/L |
| TCLP EXTRACTION - METALS | COMPLETE | PPM |

FILTER
MEDIA

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: TCLP on Foundry Sand

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 08/07/90

GML SAMPLE CODE: 3001F-90

ANALYSIS COMPLETED: 09/24/90

REPORT NUMBER: 1480

PAGE 1 OF 2

REPORT DATE: 09/25/90

TCLP ZERO HEAD VOLATILES

| | RESULT | DETECTION LIMIT | REGULATORY LIMIT |
|----------------------|--------------|--------------------|---------------------|
| | (ug/L) | (ug/L) | (mg/L) |
| Benzene | NOT DETECTED | 5.0 | 0.5 |
| Carbon Tetrachloride | NOT DETECTED | 5.0 | 0.5 |
| Chlorobenzene | NOT DETECTED | 5.0 | 100.0 |
| Chloroform | NOT DETECTED | 20.0 | 6.0 |
| 1,2-Dichloroethane | NOT DETECTED | 5.0 | 0.5 |
| 1,1-Dichloroethylene | NOT DETECTED | 5.0 | 0.7 |
| Methyl ethyl ketone | NOT DETECTED | 15.0 | 200.0 |
| Tetrachloroethylene | NOT DETECTED | 5.0 | 0.7 |
| Trichloroethylene | NOT DETECTED | 5.0 | 0.5 |
| Vinyl chloride | NOT DETECTED | 10.0 | 0.2 |

TCLP METALS [UNITS = ppm]

| PARAMETER | RESULT | DET. LIMIT | MAX. LIMIT |
|-----------|---------|------------|------------|
| Arsenic | <0.012 | 0.012 | 5.0 |
| Barium | <2.50 | 2.50 | 100.0 |
| Cadmium | 0.054 | 0.050 | 1.0 |
| Chromium | <0.200 | 0.200 | 5.0 |
| Lead | 40.4 | 0.200 | 5.0 |
| Mercury | <0.0002 | 0.0002 | 0.2 |
| Selenium | <0.005 | 0.005 | 1.0 |
| Silver | <0.200 | 0.200 | 5.0 |

LAB DIRECTOR

Deborah Q. Juskevics

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: TCLP on Foundry Sand

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 08/07/90

GML SAMPLE CODE: 3001F-90

ANALYSIS COMPLETED: 09/24/90

REPORT NUMBER: 1480

PAGE 2 OF 2

REPORT DATE: 09/25/90

TCLP SEMI-VOLATILES

| | RESULT (ug/L) | DETECTION LIMIT (ug/L) | REGULATORY LIMIT (mg/L) |
|-----------------------|------------------|------------------------------|-------------------------------|
| Cresols | NOT DETECTED | 10.0 | 200.0 |
| 1,4-Dichlorobenzene | NOT DETECTED | 10.0 | 7.5 |
| 2,4-Dinitrotoluene | NOT DETECTED | 10.0 | 0.1 |
| Hexachlorobenzene | NOT DETECTED | 10.0 | 0.02 |
| Hexachlorobutadiene | NOT DETECTED | 10.0 | 0.5 |
| Hexachloroethane | NOT DETECTED | 10.0 | 3.0 |
| Nitrobenzene | NOT DETECTED | 10.0 | 2.0 |
| Pentachlorophenol | NOT DETECTED | 50.0 | 1.0 |
| Pyridine | NOT DETECTED | 10.0 | 4.0 |
| 2,4,5-Trichlorophenol | NOT DETECTED | 50.0 | 400.0 |
| 2,4,6-Trichlorophenol | NOT DETECTED | 10.0 | 2.0 |

TCLP PESTICIDES & HERBICIDES

| | RESULT (ug/L) | DETECTION LIMIT (ug/L) | REGULATORY LIMIT (mg/L) |
|-------------------|------------------|------------------------------|-------------------------------|
| Chlorodan | NOT DETECTED | 0.457 | 0.03 |
| 2,4-D | NOT DETECTED | 6.3 | 10.0 |
| Endrin | NOT DETECTED | 0.144 | 0.02 |
| Heptachlor | NOT DETECTED | 0.032 | 0.008 |
| Lindane | NOT DETECTED | 0.024 | 0.4 |
| Methoxychlor | NOT DETECTED | 2.083 | 10.0 |
| Toxaphene | NOT DETECTED | 13.39 | 0.5 |
| 2,4,5-TP (Silvex) | NOT DETECTED | 3.3 | 1.0 |

NOTE: All water samples will be disposed of within 30 days of completion of analysis and all other samples will be returned to the client six weeks from receipt.

LAB DIRECTOR

Deborah A. Juszkiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/17/91

DATE RECEIVED: 10/17/91

GML SAMPLE CODE: 3746F-91

REPORT NUMBER: 1436

PAGE 1 OF 3

REPORT DATE: 11/12/91

SAMPLE DESCRIPTION

10/17/91, BUFFING DIRT & LINT

| HW ¹ NO. | CONTAMINANT | TCLP UNSPIKED SAMPLE VALUE mg/L | MATRIX SPIKE RECOVERY% | CORRECTED TCLP VALUE mg/L | TC REG. LEVEL mg/L |
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|

Volatiles

| | | | | | |
|------|----------------------|-----------|------|-------|-------|
| D018 | Benzene | ND (0.10) | 85.8 | 0.117 | 0.5 |
| D019 | Carbon Tetrachloride | ND (0.10) | 102 | 0.10 | 0.5 |
| D021 | Chlorobenzene | ND (0.10) | 94.9 | 0.105 | 100.0 |
| D022 | Chloroform | ND (0.10) | 94.5 | 0.106 | 6.0 |
| D027 | 1,4-Dichlorobenzene | ND (0.10) | 98.1 | 0.102 | 7.5 |
| D028 | 1,2-Dichloroethane | ND (0.10) | 87.0 | 0.115 | 0.5 |
| D029 | 1,1-Dichloroethylene | ND (0.10) | 72.2 | 0.139 | 0.7 |
| D035 | Methyl ethyl ketone | ND (1.0) | 81.5 | 1.23 | 200.0 |
| D039 | Tetrachloroethylene | ND (0.10) | 90.8 | 0.110 | 0.7 |
| D040 | Trichloroethylene | ND (0.10) | 92.2 | 0.108 | 0.5 |
| D043 | Vinyl chloride | ND (0.20) | 80.1 | 0.250 | 0.2 |

Base/Neutrals

| | | | | | |
|------|---------------------|------------|----|-------|-------|
| D030 | 2,4-Dinitrotoluene | ND (0.050) | 64 | 0.078 | 20.13 |
| D032 | Hexachlorobenzene | ND (0.050) | 65 | 0.077 | 20.13 |
| D033 | Hexachlorobutadiene | ND (0.050) | 42 | 0.119 | 0.5 |
| D034 | Hexachloroethane | ND (0.050) | 43 | 0.116 | 3.0 |
| D036 | Nitrobenzene | ND (0.050) | 76 | 0.066 | 2.0 |
| D038 | Pyridine | ND (0.250) | 69 | 0.36 | 25.0 |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/17/91

DATE RECEIVED: 10/17/91

GML SAMPLE CODE: 3746F-91

REPORT NUMBER: 1436

PAGE 2 OF 3

REPORT DATE: 11/12/91

SAMPLE DESCRIPTION 10/17/91, BUFFING DIRT & LINT

| HW ¹ NO. | CONTAMINANT | TCLP UNSPIKED SAMPLE VALUE mg/L | MATRIX SPIKE RECOVERY% | CORRECTED TCLP VALUE mg/L | TC REG. LEVEL mg/L |
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|

Acids

| | | | | | |
|------|-----------------------|------------|----|-------|-------|
| D026 | Cresols | ND (0.050) | 77 | 0.065 | 200.0 |
| D037 | Pentachlorophenol | ND (0.250) | 55 | 0.45 | 100.0 |
| D041 | 2,4,5-Trichlorophenol | ND (0.050) | 69 | 0.072 | 400.0 |
| D042 | 2,4,6-Trichlorophenol | ND (0.050) | 69 | 0.072 | 2.0 |

| HW ¹ NO. | CONTAMINANT | TCLP UNSPIKED SAMPLE VALUE mg/L | MATRIX SPIKE RECOVERY% | CORRECTED TCLP VALUE mg/L | TC REG. LEVEL mg/L |
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|
|------------------------|-------------|---------------------------------------|------------------------------|---------------------------------|--------------------------|

Metals

| | | | | | |
|------|----------|-----------|-----|--------|-------|
| D004 | Arsenic | 0.0013 | 99 | 0.0013 | 5.0 |
| D005 | Barium | 0.27 | 98 | 0.28 | 100.0 |
| D006 | Cadmium | 0.027 | 107 | 0.025 | 1.0 |
| D007 | Chromium | 0.121 | 100 | 0.121 | 5.0 |
| D008 | Lead | 38.5 | 46 | 83.7 | 5.0 |
| D009 | Mercury | 0.0016 | 108 | 0.0016 | 0.2 |
| D010 | Selenium | ND(0.002) | 91 | 0.0022 | 1.0 |
| D011 | Silver | -0.003 | 100 | <0.010 | 5.0 |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/17/91

DATE RECEIVED: 10/17/91

GML SAMPLE CODE: 3746F-91

REPORT NUMBER: 1436

PAGE 3 OF 3

REPORT DATE: 11/12/91

SAMPLE DESCRIPTION

10/17/91, BUFFING DIRT & LINT

¹Hazardous waste number.

²Quantitation limit is greater than the calculated regulatory level. The quantitation level therefore becomes the regulatory level.

³If o-, m-, and p-Cresol concentrations cannot be differentiated, the total cresol (D026) concentration is used. The regulatory level of total cresol is 200 mg/L.

Instructions For TCLP Values Reporting Format

Surrogate spike recovery can not be used to correct the results.

If the value of the unspiked sample was a no detect, record in the column for TCLP Unspiked Sample Value a ND followed by the detection limit in parentheses (). If the percent recovery is less than 100%, using the detection limit as TCLP Unspiked Sample Value, calculate, and record the value as the corrected TCLP result. If the percent recovery is greater than 100%, record the detection limit as the corrected result.

If the percent recovery is zero, all analysis for that batch and matrix spike must be repeated.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/17/91

DATE RECEIVED: 10/17/91

GML SAMPLE CODE: 3745F-91

REPORT NUMBER: 1402

REPORT DATE: 11/05/91

SAMPLE DESCRIPTION

10/17/91

DET. LIMIT

9:00 AM

BROWN OILY LIQUID

3745F-91

PCB's

<10.0

mg/kg

10.0

mg/kg

LAB DIRECTOR

Joyce Mattner

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

The State of Wisconsin

DEPARTMENT OF NATURAL RESOURCES

Hereby attests that

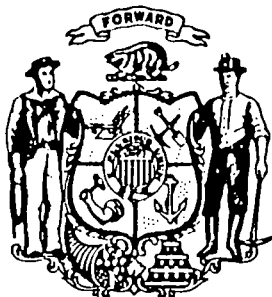
GABRIEL-MIDWEST

252087440

Laboratory ID Number

has qualified as a

Certified Laboratory



under the provisions of ch. NR 149, Wisconsin Administrative Code

This certification includes the following test categories:

| | |
|--------------------|------------------------|
| Oxygen Utilization | Organics; Purgeable |
| Nitrogen | Organics; Base/Neutral |
| Phosphorus | Organics; Acid |
| Physical | Acid Pesticides |
| General I | Organics; PCB's |
| General II | |
| General III | |
| General IV | |
| Metals I | |
| Metals II | |

Carroll J. Besodny
Secretary
Department of Natural Resources

Lyman Wible
Administrator, Division of Environmental Standards
Department of Natural Resources

Q. Cassano
Director, Office of Technical Services
Department of Natural Resources

This certification is valid until June 30, 1991.

Form 4800-10 9-87

ENVIRITE ANALYTICAL REPORT

SAMPLE SOURCE: Frost Company
6523 - 14th Avenue
Kenosha, WI 53141

DATE: 01/09/90

Attention: Brian Zakowski

ORIGINAL DATE OF ANALYSIS: 03/10/88
SAMPLE DESCRIPTION: ~~Filtercake Sludge~~ FOUNDRY SAND
ENVIRITE SAMPLE NUMBER: HS# 0130

RE: As received for determination for treatment

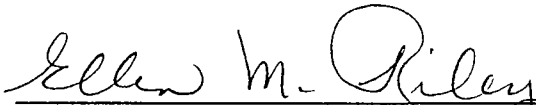
| <u>PARAMETERS</u> | <u>CONCENTRATION*</u> | <u>PARAMETERS</u> | <u>CONCENTRATION*</u> |
|-------------------|-----------------------|-------------------|-----------------------|
| Specific Gravity | 1.2 | Cyanide | 4. |
| pH | 9.8 | Lead | 15,500. |
| Arsenic | <0.1 | Mercury | 0.05 |
| Barium | <10. | Nickel | 2,000. |
| Cadmium | 3.5 | Selenium | 0.6 |
| Chromium Total | 170. | Silver | 70. |
| Chromium (+6) | <0.1 | | |

| <u>PARAMETERS</u> | <u>CONCENTRATION*</u> |
|----------------------|-----------------------|
| Total Organic Carbon | 300. |
| Methyl Ethyl Ketone | 0.004 |

*in ppm, unless otherwise noted

Lab procedures performed in accordance with:

- (1) Standard Methods for the Examination of Water and Wastewater, Sixteenth Edition (1985), and
- (2) Test Methods for Evaluating Solid Wastes (USEPA SW-846).


Ellen M. Riley
Assistant Operations Manager

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/07/92

DATE RECEIVED: 12/08/92

GML SAMPLE CODE: 3805F-92

ANALYSIS COMPLETED: 12/10/92

REPORT NUMBER: 1128

REPORT DATE: 12/14/92

| SAMPLE DESCRIPTION | 12/07/92 WW SAMPLE COMPOSITE | DET. LIMIT |
|--------------------|------------------------------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.413 mg/L | 0.020 mg/L |
| T. Nickel | 4.97 mg/L | 0.040 mg/L |
| T. Zinc | 0.137 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/08/92

DATE RECEIVED: 12/09/92

GML SAMPLE CODE: 3827F-92

ANALYSIS COMPLETED: 12/14/92

REPORT NUMBER: 1150

REPORT DATE: 12/18/92

| SAMPLE DESCRIPTION | 12/08/92 WW SAMPLE COMPOSITE | DET. LIMIT |
|--------------------|------------------------------------|------------|
| T. Chromium | 0.097 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.665 mg/L | 0.020 mg/L |
| T. Nickel | 0.422 mg/L | 0.040 mg/L |
| T. Zinc | 0.443 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/12/93

DATE RECEIVED: 01/14/93

GML SAMPLE CODE: 0103F-93

ANALYSIS COMPLETED: 01/21/93

REPORT NUMBER: 0058

REPORT DATE: 01/21/93

| SAMPLE DESCRIPTION | 01/12/93 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.209 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.252 mg/L | 0.020 mg/L |
| T. Nickel | 0.207 mg/L | 0.040 mg/L |
| T. Zinc | 0.217 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/14/93

DATE RECEIVED: 01/15/93

GML SAMPLE CODE: 0165F-93

ANALYSIS COMPLETED: 01/21/93

REPORT NUMBER: 0056

REPORT DATE: 01/21/93

| SAMPLE DESCRIPTION | 01/14/93 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.117 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.074 mg/L | 0.020 mg/L |
| T. Nickel | 0.096 mg/L | 0.040 mg/L |
| T. Zinc | 0.105 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/13/93

DATE RECEIVED: 01/14/93

GML SAMPLE CODE: 0142F-93

ANALYSIS COMPLETED: 01/21/93

REPORT NUMBER: 0057

REPORT DATE: 01/21/93

SAMPLE DESCRIPTION

01/13/93
WW SAMPLE

DET. LIMIT

T. Chromium

0.107 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.113 mg/L

0.020 mg/L

T. Nickel

0.084 mg/L

0.040 mg/L

T. Zinc

0.077 mg/L

0.005 mg/L

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results – Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID # FST-001

Date of Sample: 07/13/92 07/14/92 07/15/92 07/16/92 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>270</u> | <u>150</u> | <u>170</u> | <u>120</u> | <u> </u> | <u> </u> |
| Copper | ug/L | <u>730</u> | <u>730</u> | <u>550</u> | <u>230</u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u>140</u> | <u>170</u> | <u>200</u> | <u>120</u> | <u> </u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>1,700</u> | <u>650</u> | <u>550</u> | <u>400</u> | <u> </u> | <u> </u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>460</u> | <u>510</u> | <u>350</u> | <u>140</u> | <u> </u> | <u> </u> |
| Cyanide (grab) | mg/L | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Bod 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

CERTIFIED BY: Bruce Rabe
Bruce G. Rabe
Kenosha Water Utility – Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FRONT COMPANY

Facility Site ID# FST-001

Date of Sample: 05/04/92 05/05/92 05/06/92 05/07/92 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|--------|--------|--------|--------|--|--|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 7,800 | 8,100 | 770 | 290 | | |
| Copper | ug/L | 91 | 84 | 150 | 74 | | |
| Lead | ug/L | <50 | <50 | <50 | <50 | | |
| Mercury | ug/L | <0.2 | <0.2 | <0.2 | <0.2 | | |
| Nickel | ug/L | 240 | 200 | 320 | 120 | | |
| Silver | ug/L | <5 | <5 | <5 | <5 | | |
| Zinc | ug/L | 28 | <20 | 39 | <20 | | |
| Cyanide (grab) | ug/L | <0.001 | <0.001 | <0.001 | <0.001 | | |
| Pheno: | ug/l | | | | | | |
| Oil & Grease | ug/L | 2 | <2 | <2 | 3 | | |
| Bod5 | ug/L | 14 | 10 | 19 | 8 | | |
| Phosphorus | ug/L | 11.8 | 9.9 | 26.6 | 17.3 | | |
| pH | | 8.3 | 7.9 | 8.7 | 6.9 | | |
| Susp. Solids | ug/L | 8 | 7 | 10 | 8 | | |

CERTIFIED BY:

Bruce Rabe

Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results – Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

Date of Sample: 06/01/92 06/02/92 06/03/92 06/04/92 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-----|-----|-----|-----|--|--|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 88 | 53 | 44 | 83 | | |
| Copper | ug/L | 210 | 150 | 160 | 140 | | |
| Lead | ug/L | <50 | <50 | <50 | <50 | | |
| Mercury | ug/L | | | | | | |
| Nickel | ug/L | 500 | 250 | 210 | 56 | | |
| Silver | ug/L | | | | | | |
| Zinc | ug/L | 76 | 37 | 64 | 70 | | |
| Cyanide (grab) | mg/L | | | | | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | | | | | | |
| Bod 5 | mg/L | | | | | | |
| Phosphorus | mg/L | | | | | | |
| pH | -- | | | | | | |
| Susp. Solids | mg/L | | | | | | |

CERTIFIED BY:



Bruce G. Rabe
Kenosha Water Utility – Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

Date of Sample: 01/13/92 01/14/92 01/15/92 01/16/92 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|--------|--------|--------|--------|--|-----|
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 300 | 870 | 790 | 440 | | .6 |
| Copper | ug/L | 230 | 520 | 550 | 470 | | 442 |
| Lead | ug/L | <40 | <40 | <40 | 43 | | 91 |
| Mercury | ug/L | | | | | | |
| Nickel | ug/L | 780 | 740 | 840 | 1,300 | | 915 |
| Silver | ug/L | <5 | <5 | <5 | <5 | | |
| Zinc | ug/L | 89 | 300 | 360 | 240 | | 247 |
| Cyanide (grab) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | | | | | | |
| Bod 5 | mg/L | | | | | | |
| Phosphorus | mg/L | | | | | | |
| pH | -- | | | | | | |
| Susp. Solids | mg/L | | | | | | |

CERTIFIED BY:

Bruce Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 06/04/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 06/04/92

DATE RECEIVED: 06/05/92

GML SAMPLE CODE: 1478F-92

ANALYSIS COMPLETED: 06/11/92

REPORT NUMBER: 0536

REPORT DATE: 06/12/92

| SAMPLE DESCRIPTION | 06/04/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.131 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.136 mg/L | 0.020 mg/L |
| T. Nickel | 0.142 mg/L | 0.040 mg/L |
| T. Zinc | 0.101 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 05/04/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 05/04/92

DATE RECEIVED: 05/05/92

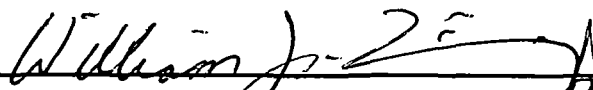
GML SAMPLE CODE: 1136F-92

ANALYSIS COMPLETED: 05/08/92

REPORT NUMBER: 0421

REPORT DATE: 05/11/92

| SAMPLE DESCRIPTION | 05/04/92 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 8.46 mg/L | 0.500 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.084 mg/L | 0.020 mg/L |
| T. Nickel | 0.246 mg/L | 0.040 mg/L |
| T. Zinc | 0.063 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt,
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 05/05/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 05/05/92

DATE RECEIVED: 05/06/92

GML SAMPLE CODE: 1139F-92

ANALYSIS COMPLETED: 05/08/92

REPORT NUMBER: 0422

REPORT DATE: 05/11/92

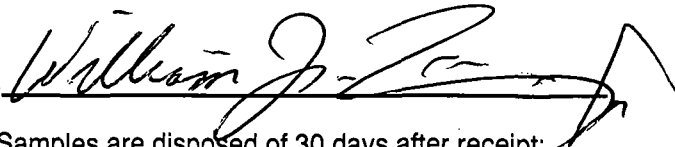
SAMPLE DESCRIPTION

05/05/92

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 8.29 mg/L | 0.500 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.080 mg/L | 0.020 mg/L |
| T. Nickel | 0.189 mg/L | 0.040 mg/L |
| T. Zinc | 0.058 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 05/06/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 05/06/92

DATE RECEIVED: 05/07/92

GML SAMPLE CODE: 1151F-92

ANALYSIS COMPLETED: 05/14/92

REPORT NUMBER: 0447

REPORT DATE: 05/15/92

| SAMPLE DESCRIPTION | 05/06/92 WW COMP. | DET. LIMIT |
|--------------------|----------------------|------------|
| T. Chromium | 0.950 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.145 mg/L | 0.020 mg/L |
| T. Nickel | 0.384 mg/L | 0.040 mg/L |
| T. Zinc | 0.061 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 05/07/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 05/07/92

DATE RECEIVED: 05/08/92

GML SAMPLE CODE: 1169F-92

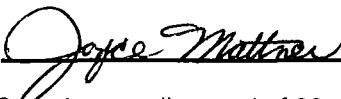
ANALYSIS COMPLETED: 05/14/92

REPORT NUMBER: 0448

REPORT DATE: 05/15/92

| SAMPLE DESCRIPTION | 05/07/92 WW COMP. | DET. LIMIT |
|--------------------|----------------------|------------|
| T. Chromium | 0.348 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.067 mg/L | 0.020 mg/L |
| T. Nickel | 0.124 mg/L | 0.040 mg/L |
| T. Zinc | 0.068 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 01/13/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/13/92

DATE RECEIVED: 01/14/92

GML SAMPLE CODE: 0112F-92

ANALYSIS COMPLETED: 01/21/92

REPORT NUMBER: 0062

REPORT DATE: 01/21/92

| SAMPLE DESCRIPTION | 01/13/92 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.276 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.216 mg/L | 0.020 mg/L |
| T. Nickel | 0.898 mg/L | 0.040 mg/L |
| T. Zinc | 0.085 mg/L | 0.005 mg/L |

SAMPLE # 105
IN LOG BOOK

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 01/14/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/14/92

DATE RECEIVED: 01/15/92

GML SAMPLE CODE: 0114F-92

ANALYSIS COMPLETED: 01/21/92

REPORT NUMBER: 0061

REPORT DATE: 01/21/92

SAMPLE DESCRIPTION

01/14/92

DET. LIMIT

T. Chromium

0.927 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.555 mg/L

0.020 mg/L

T. Nickel

0.857 mg/L

0.040 mg/L

T. Zinc

0.335 mg/L

0.005 mg/L

SAMPLE # 106
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 01/15/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/15/92

DATE RECEIVED: 01/16/92

GML SAMPLE CODE: 0122F-92

ANALYSIS COMPLETED: 01/28/92

REPORT NUMBER: 0085

REPORT DATE: 01/28/92

SAMPLE DESCRIPTION

01/15/92

DET. LIMIT

T. Chromium

0.764 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.548 mg/L

0.020 mg/L

T. Nickel

0.956 mg/L

0.040 mg/L

T. Zinc

0.377 mg/L

0.005 mg/L

SAMPLE # 107
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 01/16/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/16/92

DATE RECEIVED: 01/17/92

GML SAMPLE CODE: 0143F-92

ANALYSIS COMPLETED: 01/28/92

REPORT NUMBER: 0084

REPORT DATE: 01/28/92

SAMPLE DESCRIPTION

01/16/92

DET. LIMIT

T. Chromium

0.474 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.541 mg/L

0.020 mg/L

T. Nickel

1.56 mg/L

0.040 mg/L

T. Zinc

0.253 mg/L

0.005 mg/L

SAMPLE #108
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 06/02/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 06/02/92

DATE RECEIVED: 06/04/92

GML SAMPLE CODE: 1441F-92

ANALYSIS COMPLETED: 06/11/92

REPORT NUMBER: 0537

REPORT DATE: 06/12/92

SAMPLE DESCRIPTION

06/02/92
WW SAMPLE

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.058 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.151 mg/L | 0.020 mg/L |
| T. Nickel | 0.368 mg/L | 0.040 mg/L |
| T. Zinc | 0.039 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 06/03/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 06/03/92

DATE RECEIVED: 06/04/92

GML SAMPLE CODE: 1458F-92

ANALYSIS COMPLETED: 06/11/92

REPORT NUMBER: 0539

REPORT DATE: 06/12/92

| SAMPLE DESCRIPTION | 06/03/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.066 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.163 mg/L | 0.020 mg/L |
| T. Nickel | 0.288 mg/L | 0.040 mg/L |
| T. Zinc | 0.110 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 10/26/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/26/92

DATE RECEIVED: 10/27/92

GML SAMPLE CODE: 3168F-92

ANALYSIS COMPLETED: 10/29/92

REPORT NUMBER: 0974

REPORT DATE: 10/30/92

SAMPLE DESCRIPTION

10/26/92

DET. LIMIT

WW SAMPLE

T. Chromium

0.134 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.164 mg/L

0.030 mg/L

T. Nickel

0.141 mg/L

0.040 mg/L

T. Zinc

0.128 mg/L

0.005 mg/L

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 06/01/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 06/01/92

DATE RECEIVED: 06/02/92

GML SAMPLE CODE: 1431F-92

ANALYSIS COMPLETED: 06/05/92

REPORT NUMBER: 0516

REPORT DATE: 06/08/92

SAMPLE DESCRIPTION

06/01/92
WW COMP.

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.083 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.204 mg/L | 0.020 mg/L |
| T. Nickel | 0.483 mg/L | 0.040 mg/L |
| T. Zinc | 0.057 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 10/27/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/27/92

DATE RECEIVED: 10/28/92

GML SAMPLE CODE: 3181F-92

ANALYSIS COMPLETED: 11/03/92

REPORT NUMBER: 1000

REPORT DATE: 11/05/92

| SAMPLE DESCRIPTION | 10/27/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.200 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.319 mg/L | 0.020 mg/L |
| T. Nickel | 0.080 mg/L | 0.040 mg/L |
| T. Zinc | 0.217 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 10/28/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/28/92

DATE RECEIVED: 10/29/92

GML SAMPLE CODE: 3208F-92

ANALYSIS COMPLETED: 11/03/92

REPORT NUMBER: 1002

REPORT DATE: 11/05/92

| SAMPLE DESCRIPTION | 10/28/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.134 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.245 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.142 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 10/29/92

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 10/29/92

DATE RECEIVED: 11/02/92

GML SAMPLE CODE: 3250F-92

ANALYSIS COMPLETED: 11/03/92

REPORT NUMBER: 1003

REPORT DATE: 11/05/92

| SAMPLE DESCRIPTION | 10/29/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.067 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.305 mg/L | 0.020 mg/L |
| T. Nickel | 0.109 mg/L | 0.040 mg/L |
| T. Zinc | 0.157 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/10/92

DATE RECEIVED: 12/11/92

GML SAMPLE CODE: 3849F-92

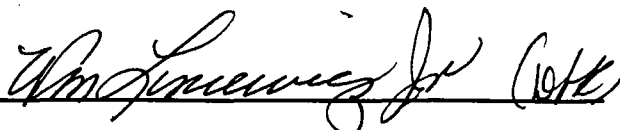
ANALYSIS COMPLETED: 12/14/92

REPORT NUMBER: 1162

REPORT DATE: 12/18/92

| SAMPLE DESCRIPTION | 12/10/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.265 mg/L | 0.020 mg/L |
| T. Nickel | 0.277 mg/L | 0.040 mg/L |
| T. Zinc | 0.206 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, Composite

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/09/92

DATE RECEIVED: 12/10/92

GML SAMPLE CODE: 3833F-92

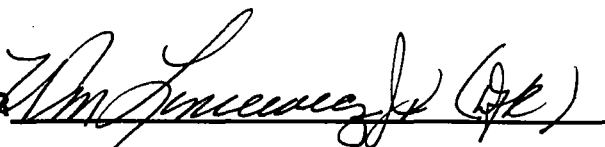
ANALYSIS COMPLETED: 12/14/92

REPORT NUMBER: 1161

REPORT DATE: 12/18/92

| SAMPLE DESCRIPTION | 12/09/92 WW SAMPLE | DET. LIMIT |
|--------------------|-----------------------|------------|
| T. Chromium | 0.250 mg/L | 0.050 mg/L |
| T. Lead | 0.13 mg/L | 0.10 mg/L |
| T. Copper | 0.731 mg/L | 0.020 mg/L |
| T. Nickel | 0.258 mg/L | 0.040 mg/L |
| T. Zinc | 0.613 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

RUSH

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal

SAMPLE DATE: 03/23/90

DATE RECEIVED: 03/23/90

GML SAMPLE CODE: 1164F-90

ANALYSIS COMPLETED: 03/27/90

REPORT NUMBER: 0455

REPORT DATE: 03/27/90

| | |
|------------------|-----------|
| Chrysotile | 40 - 45 % |
| Cellulose | 20 - 25 % |
| Binding Material | 25 - 30 % |
| Total % Asbestos | 45 % |

**GABRIEL MIDWEST, LTD.
CHAIN OF CUSTODY RECORD**

| GML # | DATE | TIME | CORRECTION | Project No. | # of CONT. | Client: | | | | | | REMARKS |
|------------------------|---------|------|------------|--------------------|--------------|---------|------------------|--|--|--|-----------|--------------|
| | | | | Sampled By: | | | | | | | | |
| | | | | Sample Description | | Metals | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | 4/24/93 | | | Quart - Glass | 1 | X | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Relinquished By: | | | | Date/Time | Received By: | | Relinquished By: | | | | Date/Time | Received By: |
| Christopher M. LaBelle | | | | 4/21/93 1:53 | | | | | | | | |
| Relinquished By: | | | | Date/Time | Received By: | | Relinquished By: | | | | Date/Time | Received By: |
| | | | | | | | | | | | | |
| Relinquished By: | | | | Date/Time | Received By: | | Remarks | | | | | |
| | | | | | | | | | | | | |

Address:

Phone #:

**GABRIEL MIDWEST, LTD.
CHAIN OF CUSTODY RECORD**

| GML # | DATE | TIME | COR | MA | PB | Project No. | # of CONT. | Client: Frost Co. | | | | | | | | |
|--|---------|------|-----|----|----|-------------------------|--------------------------|-------------------|--|--|--|--|------------------|--|-----------|--------------|
| | | | | | | Sampled By: client | | - Pick-up - | | | | | | | | |
| | | | | | | Sample Description | | REMARKS | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | 4/20/93 | | | | | Quart-Glass | 1 | X | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Relinquished By: Christopher M. La Belle | | | | | | Date/Time: 4/20/93 1:15 | Received By: [Signature] | | | | | | Relinquished By: | | Date/Time | Received By: |
| Relinquished By: | | | | | | Date/Time | Received By: | | | | | | Relinquished By: | | Date/Time | Received By: |
| Relinquished By: | | | | | | Date/Time | Received By: | | | | | | Remarks | | | |

Address:

Phone #:

GABRIEL MIDWEST, LTD. CHAIN OF CUSTODY RECORD

| GML # | DATE | TIME | CORRECTION | Project No. | # of CONT. | Client: | | | | | | REMARKS |
|-------|----------|------|------------|--------------------|------------|---------|--|--|--|--|--|---------|
| | | | | Sampled By: | | | | | | | | |
| | | | | Sample Description | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | 4/23/193 | | | | 1 | X | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

| | | | | | |
|-------------------------|---------------|--------------|------------------|-----------|--------------|
| Relinquished By: | Date/Time | Received By: | Relinquished By: | Date/Time | Received By: |
| Christopher M. La Belle | 4/22/13 12:30 | Vicki Larsen | | | |
| Relinquished By: | Date/Time | Received By: | Relinquished By: | Date/Time | Received By: |
| | | | | | |
| Relinquished By: | Date/Time | Received By: | Remarks | | |
| | | | | | |

Address:

Phone #:

**GABRIEL MIDWEST, LTD.
CHAIN OF CUSTODY RECORD**

| GML # | DATE | TIME | COR | MA | PB | Project No. | # of C O N T. | Client: <i>Frost</i> | | | | | | | |
|-------------------------------------|---------|------|-----|----|----|---------------------------------|---------------------------------|----------------------|--|--|--|--|---------------------------|---------------------------------|--|
| | | | | | | Sampled By: | | | | | | | | | |
| | | | | | | Sample Description | | | | | | | REMARKS | | |
| 0752F | 3/12/13 | | | | | <i>19 quant</i> | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| Relinquished By: <i>[Signature]</i> | | | | | | Date/Time: <i>3/26/13 11:40</i> | Received By: <i>[Signature]</i> | | | | | | Date/Time: <i>3/26/13</i> | Received By: <i>[Signature]</i> | |
| Relinquished By: | | | | | | Date/Time: | Received By: | | | | | | Date/Time: | Received By: | |
| Relinquished By: | | | | | | Date/Time: | Received By: | | | | | | Remarks | | |

Address:

Phone #:

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/23/93

DATE RECEIVED: 04/23/93

GML SAMPLE CODE: 0992F-93

ANALYSIS COMPLETED: 04/27/93

REPORT NUMBER: 0380

REPORT DATE: 04/29/93

SAMPLE DESCRIPTION

04/23/93

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | 0.057 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.125 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.076 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/22/93

DATE RECEIVED: 04/22/93

GML SAMPLE CODE: 0972F-93

ANALYSIS COMPLETED: 04/27/93

REPORT NUMBER: 0379

REPORT DATE: 04/29/93

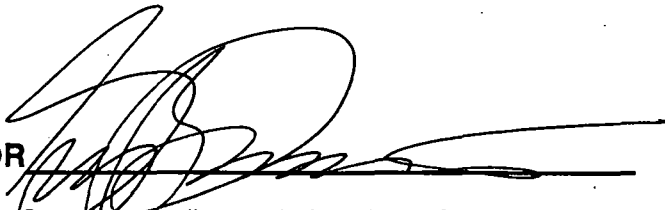
SAMPLE DESCRIPTION

04/22/93

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.060 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.038 mg/L | 0.005 mg/L |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/21/93

DATE RECEIVED: 04/21/93

GML SAMPLE CODE: 0964F-93

ANALYSIS COMPLETED: 04/27/93

REPORT NUMBER: 0378

REPORT DATE: 04/29/93

| SAMPLE DESCRIPTION | 04/21/93 | DET. LIMIT |
|--------------------|-------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.069 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.044 mg/L | 0.005 mg/L |

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/20/93

DATE RECEIVED: 04/20/93

GML SAMPLE CODE: 0953F-93

ANALYSIS COMPLETED: 04/27/93

REPORT NUMBER: 0377

REPORT DATE: 04/29/93

SAMPLE DESCRIPTION

04/20/93

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.090 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.096 mg/L | 0.005 mg/L |

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Ken Gretzinger, Frost Company, Kenosha, WI CML

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 03/26/93

DATE RECEIVED: 03/26/93

GML SAMPLE CODE: 0752F-93

ANALYSIS COMPLETED: 03/31/93

REPORT NUMBER: 0295

REPORT DATE: 04/01/93

SAMPLE DESCRIPTION

03/26/93

DET. LIMIT

T. Chromium

<0.050 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.061 mg/L

0.020 mg/L

T. Nickel

<0.040 mg/L

0.040 mg/L

T. Zinc

0.031 mg/L

0.005 mg/L

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: **FROST COMPANY**

Facility Site ID# **FST-001**

| | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|--|----------------|
| Date of Sample: | <u>10/26/92</u> | <u>10/27/92</u> | <u>10/28/92</u> | <u>10/29/92</u> | | <u>Average</u> |
| Flow (GPD): | | | | | | |

Parameter **Unit of Measure**

| | | | | | | |
|----------------|------|-----------------|-----------------|-----------------|-----------------|--|
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | |
| Chromium | ug/L | <u>100</u> | <u>200</u> | <u>100</u> | <u>66</u> | |
| Copper | ug/L | <u>170</u> | <u>290</u> | <u>230</u> | <u>190</u> | |
| Lead | ug/L | <u><50</u> | <u><50</u> | <u><50</u> | <u><50</u> | |
| Mercury | ug/L | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | |
| Nickel | ug/L | <u>160</u> | <u>120</u> | <u>36</u> | <u>77</u> | |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | |
| Zinc | ug/L | <u>100</u> | <u>170</u> | <u>110</u> | <u>120</u> | |
| Cyanide (grab) | mg/L | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | <u><2</u> | <u><2</u> | <u><2</u> | <u><2</u> | |
| Bod 5 | mg/L | <u>8</u> | <u><12</u> | <u><6</u> | <u>8</u> | |
| Phosphorus | mg/L | <u>14.4</u> | <u>11.6</u> | <u>8.6</u> | <u>11.3</u> | |
| pH | -- | <u>8.1</u> | <u>8.4</u> | <u>7.8</u> | <u>8.4</u> | |
| Susp. Solids | mg/L | <u>7</u> | <u>8</u> | <u>8</u> | <u>8</u> | |

CERTIFIED BY:



Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

| | | | | | | |
|-----------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Date of Sample: | <u>01/10/94</u> | <u>01/11/94</u> | <u>01/12/94</u> | <u>01/13/94</u> | <u>Limits</u> | <u>Average</u> |
| Flow (GPD): | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

| <u>Parameter</u> | <u>Unit of Measure</u> | | | | | | |
|------------------|------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>160</u> | <u>29</u> | <u>35</u> | <u>110</u> | <u>2710</u> | <u> </u> |
| Copper | ug/L | <u>290</u> | <u>58</u> | <u>53</u> | <u>170</u> | <u>3380</u> | <u> </u> |
| Lead | ug/L | <u><50</u> | <u><50</u> | <u><50</u> | <u><50</u> | <u>680</u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>470</u> | <u>95</u> | <u>71</u> | <u>170</u> | <u>3980</u> | <u> </u> |
| Silver | ug/L | <u>5</u> | <u>< 5</u> | <u>< 5</u> | <u>< 5</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>97</u> | <u><20</u> | <u><20</u> | <u>43</u> | <u>2610</u> | <u> </u> |
| Cyanide (grab) | mg/L | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Bod 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

CERTIFIED BY: Bruce G. Rabe

Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID# FST-001

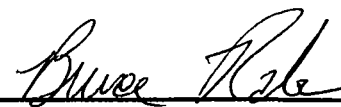
Date of Sample: 04/11/94 04/12/94 04/13/94 04/14/94 Average

Flow (GPD):

Parameter Unit of Measure

| | | | | | | | |
|----------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>70</u> | <u>77</u> | <u>170</u> | <u>350</u> | <u> </u> | <u> </u> |
| Copper | ug/L | <u>190</u> | <u>260</u> | <u>300</u> | <u>510</u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><50</u> | <u><50</u> | <u><50</u> | <u><50</u> | <u> </u> | <u> </u> |
| Mercury | ug/L | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>220</u> | <u>250</u> | <u>290</u> | <u>260</u> | <u> </u> | <u> </u> |
| Silver | ug/L | <u>< 5</u> | <u>< 5</u> | <u>< 5</u> | <u>< 5</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>78</u> | <u>130</u> | <u>120</u> | <u>210</u> | <u> </u> | <u> </u> |
| Cyanide (grab) | mg/L | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u><0.01</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u>6</u> | <u>2</u> | <u>2</u> | <u>2</u> | <u> </u> | <u> </u> |
| Bod 5 | mg/L | <u>7</u> | <u>< 6</u> | <u>< 6</u> | <u>< 6</u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u>4.7</u> | <u>4.3</u> | <u>16</u> | <u>16</u> | <u> </u> | <u> </u> |
| pH | -- | <u>7.0</u> | <u>9.6</u> | <u>9.2</u> | <u>9.2</u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u>7</u> | <u>10</u> | <u>1.3</u> | <u>22</u> | <u> </u> | <u> </u> |

CERTIFIED BY:



Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist



WORLD-
WIDE

Refinite

WATER CONDITIONING CO.

FAX TRANSMISSION

DATE: February 24, 1994
PAGES: 1
TO: Howard Robson
FAX NUMBER: (717) 293-7121
ATTENTION: Dave Blanchard
FROM: Spencer E. Bush
REFERENCE: Newport, PA Well # 10 & 14

Based upon the water analysis provided in the contract specifications, the potassium permanganate and chlorine feed dosages are as follows:

| | |
|------------------------|----------|
| Potassium permanganate | .15 mg/L |
| Chlorine | .25 mg/L |

IF the manganese level in the raw water is less than 0.05 mg/L, it is acceptable to eliminate the potassium permanganate and only feed the chlorine. When the manganese levels are above 0.05 mg/L, then potassium permanganate should be fed at the correct dosage.

If there are any questions, please give me a call.

Sincerely,

Spencer E. Bush
Manager

SB/mm



WORLD-
WIDE

Refinlte

WATER CONDITIONING CO.

FAX TRANSMISSION

DATE: February 24, 1994
PAGES: 1
TO: Howard Robson
FAX NUMBER: (717)293-7121
ATTENTION: Dave Blanchard
FROM: Spencer E. Bush
REFERENCE: Newport, PA Wells #10 & 14

The filters are fully charged and may be operated for up to two days without potassium permanganate or chlorine feed. A two day run without chemicals will not adversely affect the media, provided the raw water chemistry has not changed significantly from the water analysis provided in the contract specifications.

If there are any questions, please give me a call.

Sincerely,

Spencer E. Bush
Manager

SB/mm

USAGE:

Now

9T / Box

4 / YR

36 TONS

x 455

FROST COMPANY

F006

K90 -614

Volume Assume 5 Tons

(Now 2 1/2 T WATER 2 1/2 T. SOLIDS)
DRYER = 1 T WATER 4 T SOLIDS

Charges

Base Price 5 Tons X \$ 350/Tons

\$ 1750

≈ 1508.50

1750

Pre Shipment analysis fee (1st time only) \$ 40/TON

\$ 200

200

Shipment Analysis

\$ 250

250

Discharge Fee

\$ 150

150

Penalties

Chromium 37 lbs. @ 1.00/lb.

\$ 37

59.20

37/5000 * 8000 = 59.2 * @ 1.00 ea

Total Processing Fees - RECONTEK

\$ 2387

2409.20

Recovered Metals

Nickel 30 lbs. @ 2.65/lb.

\$ 79

Copper 20 lbs. @ .64/lb.

\$ 13

127.20

30/5000 x 8000 =

20.48

20/5000 x 8000 =

Net Due RECONTEK

\$ 2295 or
\$455/Ton

2261.52

452.30

* If dried to 80% solids this material would carry a recycling charge of \$404/Ton.

Now 40-60% MOISTURE

WET

$$\begin{array}{r} 9 \text{ TONS} / \text{LOAD} \\ 9 \times 350 = 3150 \\ 200 \\ 250 \\ \hline 150 \end{array}$$

$$\begin{array}{r} 3750 \\ 66.60 \\ \hline 3816.60 \text{ \#} \end{array}$$

$$\begin{array}{r} - 143.10 \\ - 23.04 \\ \hline \end{array}$$

$$\text{\#} 3650.46 / 9 \text{ TON}$$

$$\text{\#} 405.61 / \text{TON}$$

AFTER 1ST LOAD

$$\begin{array}{r} 3650.46 \\ - 200.00 \\ \hline \end{array}$$

$$3450.46$$

$$\div 9 \text{ TONS}$$

$$\text{\#} 383.38 / \text{TON}$$

DRY

$$\begin{array}{r} 3750 \\ + 106.56 \\ \hline 3856.56 \end{array}$$

$$\begin{array}{r} - 228.96 \\ - 36.86 \\ \hline \end{array}$$

$$3590.74 / \text{LOAD}$$

$$\div 9 \text{ TONS}$$

$$\hline 398.97$$

$$3590.74$$

$$- 200.00$$

$$\hline 3390.74$$

$$\div 9 \text{ TONS}$$

$$\text{\#} 376.75 / \text{TON}$$

$$9 \text{ T} \times 455 / \text{TON} = 4095.00$$

$$27 \text{ T} \times 415 / \text{TON} = \underline{11,205.00}$$

$$\$15,300.00$$

IF ANALYSIS
IS IN
404.00/TON
PRICE

$$9 \text{ T} \times 404.00 = 3636$$

$$27 \text{ T} \times 364.00 = \underline{9828}$$

$$13,464$$

$$\text{SAVINGS} \quad \$1836 / \text{YR.}$$

IF ANALYSIS
ISN'T IN
404.00/TON
PRICE

$$9 \text{ T} \times 444.00 = 3996$$

$$27 \text{ T} \times \underline{404.00} = \underline{10,908}$$

$$14,904$$

$$\text{SAVINGS} \quad \$396 / \text{YR}$$

TEL No.

Jan.10,90 16:29 P.01

RECONTEK
A PS Group Company

TO: Brian Zabowski DATE: 1-10-90
COMPANY: Frost Company TIME: 4:30
LOCATION: _____ DEPT: _____
FAX#: 1-414-658-0791

PAGES SENT INCLUDING THIS COVER SHEET: 143

REGARDING: _____

FROM: Judy DEPT: _____

IF YOU DO NOT RECEIVE ALL OF THE PAGES INDICATED, PLEASE CALL OUR
OFFICE AS SOON AS POSSIBLE (217)-837-2407.

THANK YOU.



A PS Group Company

January 10, 1990

Mr. Brian Zakowski
FROST COMPANY
6523 14th Avenue
Kenosha, WI 53141

Dear Mr. Zakowski:

Mr. Greg Klug, our Sales Engineer, has provided us with analytical data of your metal bearing waste streams. We have conducted a financial analysis of this data based upon five assumptions:

- 1) Completion of RECONTEK's facility at Newman, Illinois.
- 2) Current Metal Prices.
- 3) Proposed RECONTEK pricing schedule.
- 4) VOC less than 500 ppm.
- 5) Acceptance and approval of a representative sample of your waste prior to shipment.

Our findings are as follows:

ITEM
F006

PROJECTED CHARGES
\$455/Ton

Projections are F.O.B. our works. We have attached pricing work sheets for your review.

If these prices are of interest to you, we would like you to execute the non-binding Letter of Intent enclosed herewith or one similar to it on your letterhead so that we can reserve space for you in our new facility.

We would like to remind you that the RECONTEK process completely recycles your waste and eliminates any future liabilities associated with landfill disposal.

RECONTEK looks forward to working with FROST COMPANY now and in the future.

With best regards,

A handwritten signature in dark ink, appearing to read "Gerald C. Pett". The signature is fluid and cursive, with a large initial "G" and a stylized "Pett".

Gerald C. Pett
Regional Marketing Manager

GP/jp

cc: S.W. Rosenbaum/Greg Klug

SAMPLE LETTER OF INTENT

Date

S. Wayne Rosenbaum
Executive Vice President
RECONTEK, Inc.
11770 Bernardo Plaza Court
Suite 351
San Diego, CA 92128

Dear Mr. Rosenbaum:

Your projected charges of \$455/Ton on F006 is very attractive. FROST COMPANY is very interested in doing business with your new facility in Newman, Illinois, contingent on the following conditions:

- 1) Completion of RECONTEK's facility in Newman, Illinois.
- 2) Approval from name of company's corporate offices and the staff at this facility.

FROST COMPANY is looking forward to working with you and hopes that your construction is trouble-free.

Sincerely,

FROST COMPANY
F006
K90 -614

Volume Assume 5 Tons

Charges

| | |
|---|---------|
| Base Price 5 Tons X \$ 350/Tons | \$ 1750 |
| Pre Shipment analysis fee (1st time only) | \$ 200 |
| Shipment Analysis | \$ 250 |
| Discharge Fee | \$ 150 |

Penalties

| | |
|-----------------------------|-------|
| Chromium 37 lbs. @ 1.00/lb. | \$ 37 |
|-----------------------------|-------|

| | |
|----------------------------------|---------|
| Total Processing Fees - RECONTEK | \$ 2387 |
|----------------------------------|---------|

Recovered Metals

| | |
|---------------------------|-------|
| Nickel 30 lbs. @ 2.65/lb. | \$ 79 |
| Copper 20 lbs. @ .64/lb. | \$ 13 |

| | |
|------------------|-------------------------|
| Net Due RECONTEK | \$ 2295 or \$455/Ton |
|------------------|-------------------------|

* If dried to 80% solids this material would carry a recycling charge of \$404/Ton.

RESULTS

| #22 | 1 ST WEEK CITY | 2 ND WEEK | 1 ST WEEK CBC | 2 ND WEEK | 1 ST WEEK GABRIEL | 2 ND WEEK |
|-----|------------------------------|----------------------|-----------------------------|----------------------|---------------------------------|----------------------|
| | #26 | | | | | |
| CR: | .050 | .080 | .040 | .10 | .052 | .03 |
| CU: | .140 | .130 | .140 | .14 | .130 | .137 |
| PB: | 2.040 | 2.040 | .1 | 2.1 | 2.01 | 2.01 |
| NI: | .320 | .120 | .290 | .09 | .406 | .244 |
| ZN: | .130 | .040 | .22 | .13 | .082 | .021 |

| | | | | | | |
|-----|-------|-------|------|-----|------|------|
| #23 | #27 | | | | | |
| CR: | .080 | .190 | .060 | .15 | .171 | .161 |
| CU: | .160 | .220 | .170 | .17 | .120 | .173 |
| PB: | 2.040 | 2.040 | 2.1 | 2.1 | 2.01 | 2.01 |
| NI: | .260 | .160 | .230 | .14 | .180 | .039 |
| ZN: | .080 | .050 | .130 | .05 | .045 | .062 |

| | | | | | | |
|-----|-------|-------|------|-----|------|------|
| #24 | #28 | | | | | |
| CR: | .100 | .100 | .100 | .11 | .120 | .125 |
| CU: | .400 | .230 | .350 | .15 | .387 | .249 |
| PB: | 2.040 | 2.040 | .10 | 2.1 | 2.01 | 2.01 |
| NI: | .680 | .080 | .710 | .09 | .900 | .269 |
| ZN: | .380 | .080 | .370 | .10 | .428 | .121 |

ROADWAY

Your Quality Service Carrier

| #25 | 1 ST CITY | 2 ND #29 | 1 ST CBC | 2 ND | 1 ST GABRIEL | 2 ND |
|-----------|-------------------------|------------------------|------------------------|-----------------|----------------------------|-----------------|
| CR: .330 | .100 | .280 | .12 | .328 | .184 | |
| CU: .350 | .170 | .330 | .20 | .297 | .139 | |
| PD: 2.040 | 2.040 | 2.1 | 2.1 | .03 | 2.010 | |
| NI: .170 | .120 | .190 | .09 | .004? | .143 | |
| ZI: .260 | .070 | .260 | .14 | 5.02? | .004 | |

ROADWAY[®]

Your Quality Service Carrier

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 02-06-89 02-07-89 02-08-89 02-09-89 Average

Flow (GPD):

Parameter Units of Measure

Arsenic ug/L

- Cadmium ug/L 4 2 <2 <2

- Chromium ug/L 9480 4710 1680 14,600

- Copper ug/L 2550 1050 570 1420

Iron mg/L

- Lead ug/L 61 37 33 42

Mercury ug/L

- Nickel ug/L 1930 750 240 880

- Silver ug/L <5 <5 <5 <5

- Zinc ug/L 1730 650 540 910

- Cyanide (grab) mg/L 0.003 0.004 0.002 0.001

Phenol mg/L

Oil & Grease mg/L

BOD 5 mg/L

Phosphorus mg/L

pH

Susp. Solids mg/L

Certified by Bruce G. Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

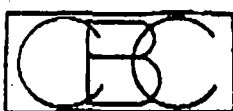
Date of Sample: 05-22-89 05-23-89 05-24-89 05-25-89 Average

Flow (GPD):

Parameter Units of Measure

| | | | | | | |
|----------------|------|-------|-------|---------|-------|-------|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | |
| Chromium | ug/L | 2,400 | 2,500 | 1,800 | 760 | 1,865 |
| Copper | ug/L | 3,200 | 1,500 | 1,600 | 4,300 | 2,65 |
| Iron | mg/L | | | | | |
| Lead | ug/L | 170 | 130 | 150 | 85 | 1325 |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 980 | 1,700 | 1,700 | 5,400 | 2445 |
| Silver | ug/L | | | | | |
| Zinc | ug/L | 1,400 | 2,500 | 2,600 ? | 1,300 | 1,95 |
| Cyanide (grab) | mg/L | | | | | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce G. Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager



ENVIRONMENTAL SERVICES

CHEM-NO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025-8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T02466 WASTEWATER / PROJECT# FROST CO #626 / SUMP #222
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.14 | MG/L |
| COPPER - TOTAL | 0.12 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.07 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025 8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUKATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T01218 WASTEWATER / PROJECT# FROST CO #626 / FILTER 001
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.29 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.24 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-SO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025 8433677 W29

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89093-T02466 FROST CO./#626/SAMPLE #01NP
DATE COLLECTED 04/03/89 DATE RECEIVED 04/03/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.80 | MG/L |
| COPPER - TOTAL | 0.33 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.27 | MG/L |
| ZINC - TOTAL | 0.29 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

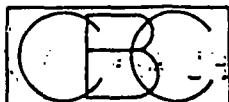
N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/05/89

LABORATORY REPORT

PAGE 1

T025 8433718 W81

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89094-T02466 WASTEWATER / FROST CO. / TRIAD# 626 / 0123WP
DATE COLLECTED 04/04/89 DATE RECEIVED 04/04/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.5 | MG/L |
| COPPER - TOTAL | 0.28 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.41 | MG/L |
| ZINC - TOTAL | 0.13 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

P.O. Box 1599
Kenosha, Wisconsin 53141
Phone (414) 652-5658

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Unknown sample
WI CERTIFICATION ID#: 252087440
P. O. # Verbal/Zakowski
SAMPLE NUMBER: 2263-89
REPORT NUMBER: 5072
REPORT DATE: 6/2/89

UNITS

ppm

| | |
|----------------|-------|
| Total Cadmium | 0.011 |
| Total Chromium | 2.73 |
| Total Copper | 1.695 |
| Total Lead | 0.03 |
| Total Nickel | 2.075 |
| Total Silver | 0.009 |
| Total Zinc | 1.62 |
| Total Cyanide | <0.04 |



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/07/89

LABORATORY REPORT

PAGE 1

T025 8436136 W81
KP/* / / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEENHOLZ

SAMPLE 89157-T01218 WASTEWATER /PROJECT: FROST /TRIAD /#626-001
DATE COLLECTED 06/06/89 DATE RECEIVED 06/06/89

| TEST NAME | RESULT | UNITS |
|--------------------|--------|-------|
| CHROMIUM - TOTAL | 1.4 | MG/L |
| COPPER - TOTAL | 1.0 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 0.35 | MG/L |
| ZINC - TOTAL | 0.98 | MG/L |
| CHROMIUM - SOLUBLE | 0.01 | MG/L |
| COPPER - SOLUBLE | 0.05 | MG/L |
| LEAD - SOLUBLE | <0.1 | MG/L |
| NICKEL - SOLUBLE | 0.23 | MG/L |
| ZINC - SOLUBLE | 0.05 | MG/L |

MAY - 15 - 19

SAMPLE TAKEN 5/18

SAMPLE SENT 5/19

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



McGean-Rohco, Inc.

ROHCO DIVISION

5621 Commonwealth Ave., Detroit, Michigan 48208-313/872-1800

June 16, 1989

Frost Company
6523 14th Street
Kenosha, WI 53140

Attn: Jim Lanctot
FAX-(414)658-0791

Gentlemen:

The waste samples for analysis is as follows.

| Sample Number | 1 | 2 | 3 | 4 |
|---------------|----------|----------|----------|---------|
| Sample Date | 6/6/89 | 6/7/89 | 6/8/89 | 6/9/89 |
| pH | 7.2 | 6.8 | 7.2 | 7.1 |
| Zinc | 1.7 ppm | 1.4 ppm | 1.2 ppm | 1.8 ppm |
| Copper | 1.4 ppm | 0.9 ppm | 2.2 ppm | 1.9 ppm |
| Nickel | 0.47 ppm | 1.33 ppm | 3.14 ppm | 2.9 ppm |
| Chrome Total | 1.73 ppm | 2.1 ppm | 4.68 ppm | 6.9 ppm |
| Phosphorous | 92 ppm | 81 ppm | 149 ppm | 210 ppm |

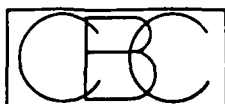
Analysis was performed on a Atomic Adsorption Perkin Elmer on metals.
The phosphorous was run by molybdic phosphate precipitation.

This is not a certified analysis, but should be used as a guide line
for evaluating your system.

Very truly yours,

M. Arthur Detrisac
Technical Director
Surface Treatment Products

MAD:bas



CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

ENVIRONMENTAL SERVICES

06/15/89

LABORATORY REPORT

PAGE 1

F089 8436392 W70

FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: BRIAN ZAKOWSKI

SAMPLE 89163-F04409 WATER
DATE COLLECTED 06/10/89 DATE RECEIVED 06/12/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 6.9 | MG/L |
| COPPER - TOTAL | 7.9 | MG/L |
| LEAD - TOTAL | 0.4 | MG/L |
| NICKEL - TOTAL | 11 | MG/L |
| ZINC - TOTAL | 0.72 | MG/L |

SAMPLE #1 IN SAMPLE LOG.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

P.O. Box 1599
Kenosha, Wisconsin 53141
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Unknown sample
WI CERTIFICATION ID#: 252087440
P. O. # Verbal/Zakowski
SAMPLE NUMBER: 2593-89
REPORT NUMBER: 5179
REPORT DATE: 6/23/89

LAB IS
IN KENOSHAN

ANALYSIS

| UNITS | ppm |
|----------------|-------|
| Total Chromium | 2.73 |
| Total Copper | 2.117 |
| Total Lead | 0.34 |
| Total Nickel | 3.049 |
| Total Zinc | 1.87 |

SAMPLE #2
IN LOG BOOK

LAB DIRECTOR Dr. John Roberts



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/21/89

LABORATORY REPORT

PAGE 1

T025 8436763 W70
KP/* / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE #3
IN LOG BOOK

SAMPLE 89171-T01218 FROST CO WASTEWATER
DATE COLLECTED 06/20/89 DATE RECEIVED 06/20/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 8.7 | MG/L |
| COPPER - TOTAL | 3.0 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 2.1 | MG/L |
| ZINC - TOTAL | 1.8 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

LAST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/22/89

LABORATORY REPORT

PAGE 1

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

T025 8436798 W70
KP/* / / /

SAMPLE # 4
IN LOG BOOK

SAMPLE 89172-T01218 FROST CO WASTEWATER
DATE COLLECTED 06/21/89 DATE RECEIVED 06/21/89

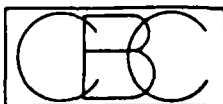
| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 7.2 | MG/L |
| COPPER - TOTAL | 1.9 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 2.4 | MG/L |
| ZINC - TOTAL | 0.97 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/08/89

LABORATORY REPORT

PAGE 1

F089 8437172 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89180-F04409 WATER
DATE COLLECTED 06/27/89 DATE RECEIVED 06/29/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.5 | MG/L |
| COPPER - TOTAL | 1.5 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 0.75 | MG/L |
| ZINC - TOTAL | 1.3 | MG/L |

SAMPLE #5
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL *[Signature]*

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/08/89

LABORATORY REPORT

PAGE 1

F089 8437245 W81

FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89181-F04409 WASTEWATER
DATE COLLECTED 06/29/89 DATE RECEIVED 06/30/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.1 | MG/L |
| COPPER - TOTAL | 2.9 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 5.2 | MG/L |
| ZINC - TOTAL | 1.7 | MG/L |

SAMPLE # 6
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

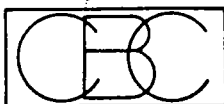
N/T = NOT TESTED N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

ENVIRONMENTAL SERVICES

07/11/89

LABORATORY REPORT

PAGE 1


F089 8437305 W81

FROST CO
6523 14TH AVE.
KENOSHA , WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89184-F04409 WASTEWATER
DATE COLLECTED 06/29/89 DATE RECEIVED 07/03/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 3.0 | MG/L |
| COPPER - TOTAL | 1.6 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.89 | MG/L |
| ZINC - TOTAL | 0.85 | MG/L |

SAMPLE # 7
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

11/07/89

LABORATORY REPORT

PAGE 1

NOT PERTAINING TO
NR 101

F089 8441414 W81

FROST CO

6523 14TH AVE.

KENOSHA ,WI 53141

ATTN: SEBASTIAN KAWKA

SAMPLE 89285-F04409 WASTE /NO DATE GIVEN
DATE COLLECTED 10/12/89 DATE RECEIVED 10/12/89

| TEST NAME | RESULT | UNITS |
|----------------------------|--|-------|
| CADMIUM - TCLP | <0.05 | MG/L |
| CHROMIUM - TCLP | 0.16 | MG/L |
| TCLP AMENABLE CYANIDE | | PPM |
| | NO CYANIDE AMENABLE TO CHLORINATION. NONE DETECTED. | |
| NICKEL - TCLP | 21 | MG/L |
| SILVER - TCLP | <0.02 | MG/L |
| LEAD - TCLP | <0.5 | MG/L |
| CYANIDE - TCLP | <0.01 | MG/L |
| TCLP EXTRACTION - METALS | COMPLETE | PPM |
| CYANIDE, AMENABLE TO CHLOR | 0.08 | PPM |
| TOTAL CYANIDE | 0.10 | PPM |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Paul Herbert, Environmental Innovations, Racine, WI
SUBJECT: Frost Company, Waste Management Landfill Profile,
Solid Waste

WI CERTIFICATION ID#: 252087440

P.O.#: Verbal/Herbert

SAMPLE DATE: NOT GIVEN

GML SAMPLE CODE: 4128F-S9

REPORT NUMBER: 5770

ANALYSIS COMPLETED: 10/12/89

REPORT DATE: 10/12/89

CHEMICAL ANALYSIS

| | | | |
|-----------------------|-------|---------------------|--------|
| 1. Flashpoint, deg. F | >212 | 5. Reactive Sulfide | 55 ppm |
| 2. % Alkalinity | 2.26 | 6. Total Cyanide | <1 ppm |
| 3. pH, (10% Solution) | 7.19 | 7. Reactive Cyanide | NOT RD |
| 4. Total Solids [%] | 15.80 | | |

TOTAL METALS [UNITS = mg/kg]

| | | | |
|-------------|---------|-------------|---------|
| 1. Arsenic | <0.10 | 7. Mercury | 0.033 |
| 2. Barium | 3.6 | 8. Selenium | 0.36 |
| 3. Cadmium | 1.04 | 9. Silver | 3.78 |
| 4. Chromium | 3.734.0 | 10. Nickel | 3,064.0 |
| 5. Copper | 2,170.0 | 11. Zinc | 78.0 |
| 6. Lead | 21.0 | | |

EP TOXICITY TEST RESULTS [CFR 40 PART 261, APPENDIX II] UNITS=ppm

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.093 | 4. Nickel | 0.104 |
| 2. Lead | <0.010 | 5. Zinc | 5.96 |
| 3. Copper | 3.60 | | |

ADDITIONAL INFORMATION AND IEPA TESTING

1. Paint Filter: NONE PRESENT
2. PENTROMETER: 0.06 kg/cm³
3. WATER MIX: No Reactions Noted
4. PHYSICAL APPERANCE: Green Clay Like Moist Soil With Lime Odor
5. PCB'S(type 1260): 3.53 ppm
6. TOTAL PHENOLICS: 0.07 mg/kg
7. % ASH; 12.38



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/13/89

LABORATORY REPORT

PAGE 1

PAPER

T025 8433717 W81

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89094-T02465 WASTE / FROST CO. / TRIAD# 626 / 023WP
DATE COLLECTED 04/04/89 DATE RECEIVED 04/04/89

| TEST NAME | RESULT | UNITS | EP TOXICITY | EP LIMIT | HAZ.CODE |
|---------------|--------|-------|-------------|----------|----------|
| BARIUM - EP | | | <0.05 MG/L | 100.0 | |
| CADMIUM - EP | | | 0.06 MG/L | 1.0 | |
| CHROMIUM - EP | | | 0.08 MG/L | 5.0 | |
| LEAD - EP | | | <0.5 MG/L | 5.0 | |
| SILVER - EP | | | <0.02 MG/L | 5.0 | |
| ARSENIC - EP | | | <0.010 MG/L | 5.0 | |
| SELENIUM - EP | | | <0.020 MG/L | 1.0 | |
| MERCURY - EP | | | 0.0005 MG/L | 0.2 | |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE. PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

2.D

DEC 16 88 13:57 CDB



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/13/89

LABORATORY REPORT

PAGE 1

PAPER

T025 8433678 W29

TRIAD ENGINEERING, INC.

3333 N. MAYFAIR ROAD SUITE 103

WAUWATOSA, WI 53222

ATTN: DICK MEINHOLZ

SAMPLE 89093-T01218 FROST CO./#626/SAMPLE #1NP/WASTE

DATE COLLECTED 04/03/89 DATE RECEIVED 04/03/89

| TEST NAME | RESULT | UNITS | EP TOXICITY | EP LIMIT | HAZ.CODE |
|---------------|--------|-------|-------------|----------|----------|
| BARIUM - EP | | | <0.05 | MG/L | 100.0 |
| CADMIUM - EP | | | 0.19 | MG/L | 1.0 |
| CHROMIUM - EP | | | 0.08 | MG/L | 5.0 |
| LEAD - EP | | | <0.5 | MG/L | 5.0 |
| SILVER - EP | | | <0.02 | MG/L | 5.0 |
| ARSENIC - EP | | | <0.010 | MG/L | 5.0 |
| SELENIUM - EP | | | <0.020 | MG/L | 1.0 |
| MERCURY - EP | | | 0.0007 | MG/L | 0.2 |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

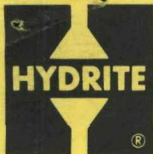
FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

P.3

DEC 16 88 13:58 CBC



HYDRITE CHEMICAL CO.

WASTE MATERIAL DOCUMENT

Oshkosh, WI La Crosse, WI
(800) 242-8270 (608) 784-0024

Milwaukee, WI
(414) 257-2300

Cottage Grove, WI Waterloo, IA
(608) 257-5892 (319) 232-9731

AUTHORIZATION NO. 2001-M20990-1364 DATE 02/15

CUSTOMER Frost

ADDRESS 6523 14th Avenue

Kenosha, WI

☐ DRUMS ☐ BULK ☐ DRUM LANCE

QUANTITY **DOT PROPER SHIPPING NAME**

2 Waste Acid, Liquid, NOS

DOT HAZARD CLASS

UN/NA NO.

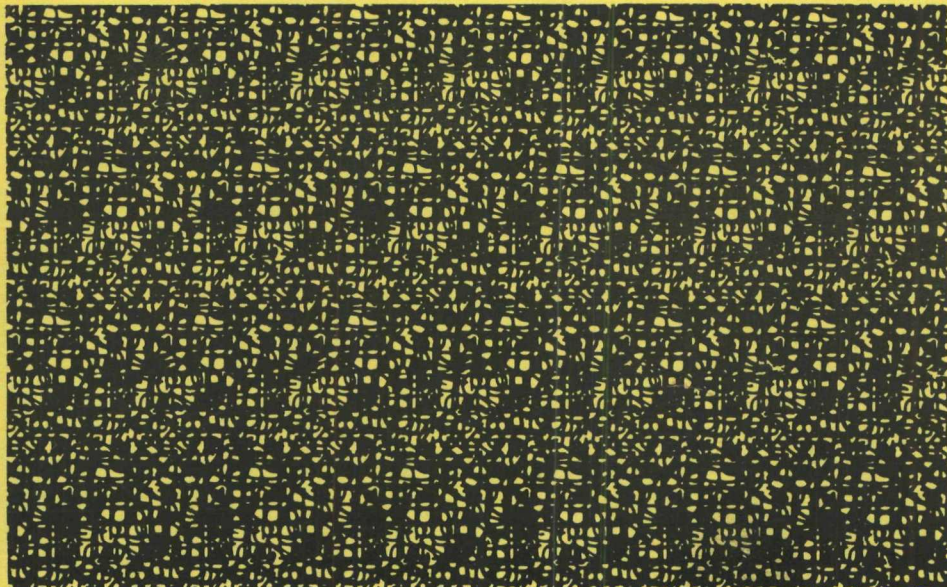
Corrosive Material

NA 1760

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

CUSTOMER SIGNATURE: *David Z. [illegible]*

DRIVER _____ UNIT NO. _____



WHITE: SALES COPY YELLOW: PLANT COPY PINK: DIVISION COPY GOLD: CUSTOMER COPY



STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66

Rev. 3-89

State of Wisconsin
Department of Natural Resources
Bureau of Solid Waste Mgt.
Box 8094
Madison, Wisconsin 53708

FOR DNR USE ONLY

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-91

| | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|---|--|-----------------|--|---|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. <i>WID006090286</i> | | Manifest Document No. | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law. | | | | | |
| 3. Generator's Name and Mailing Address <i>FROST COMPANY 6523 14TH AVE KENOSHA, WI 53140</i> | | | | | | A. State Manifest Document Number <i>WI J 51437</i> | | | | | | | |
| 4. Generator's Phone <i>(414) 658-4301</i> | | | | | | B. State Generator's ID | | | | | | | |
| 5. Transporter 1 Company Name <i>HYDRITE CHEMICAL COMPANY</i> | | | | 6. US EPA ID Number <i>WID006435887</i> | | C. State Transporter's ID | | | | | | | |
| 7. Transporter 2 Company Name | | | | 8. US EPA ID Number | | D. Transporter's Phone | | | | | | | |
| 9. Designated Facility Name and Site Address <i>HYDRITE CHEMICAL COMPANY 227 EAST NATIONAL AVE. MILWAUKEE, WI 53201</i> | | | | 10. US EPA ID Number <i>WID006435895</i> | | E. State Transporter's ID | | | | | | | |
| | | | | | | F. Transporter's Phone <i>414-354-3750</i> | | | | | | | |
| | | | | | | G. State Facility's ID | | | | | | | |
| | | | | | | H. Facility's Phone <i>414-649-4720</i> | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit Wt/Vol | | 15. Waste No. | |
| a. <i>ACID LIQUID (WASTE) N.O.S. CORROSIVE MATERIAL N.A. 1760</i> | | | | | | 0 0 2 D F | | 0 0 1 1 1 0 | | G | | N 0 0 2 | |
| b. | | | | | | | | | | | | | |
| c. | | | | | | | | | | | | | |
| d. | | | | | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above <i>AUTHORIZATION #F001-020990-1864</i> | | | | | | K. Handling Codes for Wastes Listed Above | | | | | | | |
| 15. Special Handling Instructions and Additional Information | | | | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; | | | | | | | | | | | | | |
| OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title <i>BRIAN ZAKOWSKI ENV. COMP. COOR.</i> | | | | | | Signature <i>Brian Zakowski</i> | | | | | | Date Month Day Year <i>02/15/90</i> | |
| 17. TRANSPORTER 1 Acknowledgement of Receipt of Materials | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title <i>Warner D. Hittaker</i> | | | | | | Signature <i>Warner D. Hittaker</i> | | | | | | Date Month Day Year <i>02/15/90</i> | |
| 18. TRANSPORTER 2 Acknowledgement of Receipt of Materials | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title | | | | | | Signature | | | | | | Date Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | | | | | | | | |
| 20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title | | | | | | Signature | | | | | | Date Month Day Year | |

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

1 - Generator send to Wis. DNR

4 - Facility retain

2 - Generator retain

5 - Facility send to Generator

3 - Facility send to Wis. DNR

6 - Transporter retain

Copies 1 & 3 mail to Wis. DNR at above address.

Emergency 24 Hour Assistance Telephone Number

In Wisconsin (608) 266-3232

Outside Wisconsin (800) 424-8802

COPY 1 - GENERATOR SEND TO WIS. DNR



STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66

Rev. 3-89

State of Wisconsin
Department of Natural Resources
Bureau of Solid Waste Mgt.
Box 8094
Madison, Wisconsin 53708

FOR DNR USE ONLY

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-91

| | | | | | | |
|---|--|---|--|--------------------|---|--------------|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. <i>WID006090286</i> | Manifest Document No. | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law. | |
| 3. Generator's Name and Mailing Address <i>FROST COMPANY 6523 14TH AVE KENOSHA, WI 53140</i> | | | A. State Manifest Document Number <i>WI J 51437</i> | | | |
| 4. Generator's Phone <i>(414) 658-4301</i> | | | B. State Generator's ID | | | |
| 5. Transporter 1 Company Name <i>HYDRITE CHEMICAL COMPANY</i> | | 6. US EPA ID Number <i>WID006435887</i> | C. State Transporter's ID | | | |
| 7. Transporter 2 Company Name | | 8. US EPA ID Number | D. Transporter's Phone | | | |
| 9. Designated Facility Name and Site Address <i>HYDRITE CHEMICAL COMPANY 227 EAST NATIONAL AVE. MILWAUKEE, WI 53201</i> | | 10. US EPA ID Number <i>WID006435895</i> | E. State Transporter's ID | | | |
| | | | F. Transporter's Phone <i>414-354-3750</i> | | | |
| | | | G. State Facility's ID | | | |
| | | | H. Facility's Phone <i>414-649-4720</i> | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | 12. Containers No. | Type | 13. Total Quantity | 14. Unit Wt/Vol | I. Waste No. |
| a. <i>ACID LIQUID (WASTE) N.O.S. CORROSIVE MATERIAL N.A. 1760</i> | | <i>002</i> | <i>DF</i> | <i>00110</i> | <i>G</i> | <i>N002</i> |
| b. | | | | | | |
| c. | | | | | | |
| d. | | | | | | |
| J. Additional Descriptions for Materials Listed Above <i>AUTHORIZATION #F001-020990-1864</i> | | | K. Handling Codes for Wastes Listed Above | | | |
| 15. Special Handling Instructions and Additional Information | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | |
| Printed/Typed Name & Position Title <i>BRIAN ZAKOWSKI ENV. COMP. COOR.</i> | | | Signature <i>Brian Zakowski</i> | | Date Month Day Year <i>02/15/90</i> | |
| 17. TRANSPORTER 1 Acknowledgement of Receipt of Materials | | | | | Date | |
| Printed/Typed Name & Position Title <i>Werner D. Whittaker</i> | | | Signature <i>Werner D. Whittaker</i> | | Month Day Year <i>02/15/90</i> | |
| 18. TRANSPORTER 2 Acknowledgement of Receipt of Materials | | | | | Date | |
| Printed/Typed Name & Position Title | | | Signature | | Month Day Year | |
| 19. Discrepancy Indication Space | | | | | | |
| 20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | |
| Printed/Typed Name & Position Title | | | Signature | | Date Month Day Year | |

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution: 1 — Generator send to Wis. DNR

4 — Facility retain

2 — Generator retain

5 — Facility send to Generator

3 — Facility send to Wis. DNR

6 — Transporter retain

Copies 1 & 3 mail to Wis. DNR at above address.

Emergency 24 Hour Assistance Telephone Number

In Wisconsin (608) 266-3232

Outside Wisconsin (800) 424-8802

COPY 2 — GENERATOR RETAIN



STATE OF WISCONSIN
Chapter 144, Wis. Stats.
Form 4400-66

Rev. 3-89

State of Wisconsin
Department of Natural Resources
Bureau of Solid Waste Mgt.
Box 8094
Madison, Wisconsin 53708

FOR DNR USE ONLY

Please print or type. Form designed for use on elite (12-pitch) typewriter.

Form Approved. OMB No. 2050-0039. Expires 9-30-91

| | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|---|--|--|--|---|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. WID006090286 | | Manifest Document No. | | 2. Page 1 of 1 | | Information in the shaded areas is not required by Federal law. | | | | | |
| 3. Generator's Name and Mailing Address FROST COMPANY 6523 14TH AVE KENOSHA, WI 53140 | | | | | | A. State Manifest Document Number WI J 51437 | | | | | | | |
| 4. Generator's Phone (414) 658-4301 | | | | | | B. State Generator's ID | | | | | | | |
| 5. Transporter 1 Company Name HYDRITE CHEMICAL COMPANY | | | | 6. US EPA ID Number WID006435887 | | C. State Transporter's ID | | | | | | | |
| 7. Transporter 2 Company Name | | | | 8. US EPA ID Number | | D. Transporter's Phone | | | | | | | |
| 9. Designated Facility Name and Site Address HYDRITE CHEMICAL COMPANY 227 EAST NATIONAL AVE. MILWAUKEE, WI 53201 | | | | 10. US EPA ID Number WID006435895 | | E. State Transporter's ID | | | | | | | |
| | | | | | | F. Transporter's Phone 414-354-3750 | | | | | | | |
| | | | | | | G. State Facility's ID | | | | | | | |
| | | | | | | H. Facility's Phone 414-649-4720 | | | | | | | |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) | | | | | | 12. Containers No. Type | | 13. Total Quantity | | 14. Unit Wt/Vol | | I. Waste No. | |
| a. ACID LIQUID (WASTE) N.O.S. CORROSIVE MATERIAL N.A. 1760 | | | | | | 0.02 DF | | 0.01/10 | | 6 | | N 0 0 2 | |
| b. | | | | | | | | 1.540# | | | | | |
| c. | | | | | | | | | | | | | |
| d. | | | | | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above AUTHORIZATION #F001-02 0990-1864 | | | | | | K. Handling Codes for Wastes Listed Above | | | | | | | |
| 15. Special Handling Instructions and Additional Information | | | | | | | | | | | | | |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations and according to the requirements of the Wisconsin Department of Natural Resources. If I am a large quantity generator, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title BRIAN ZAKOWSKI ENV. COMP. COOR. | | | | | | | | | | Signature <i>Brian Zakowski</i> | | Date Month Day Year 02/15/90 | |
| 17. TRANSPORTER 1 Acknowledgement of Receipt of Materials | | | | | | | | | | Signature <i>Warner D. Hittaker</i> | | Date Month Day Year 22/15/90 | |
| 18. TRANSPORTER 2 Acknowledgement of Receipt of Materials | | | | | | | | | | Signature | | Date | |
| Printed/Typed Name & Position Title | | | | | | | | | | Signature | | Date | |
| 19. Discrepancy Indication Space | | | | | | | | | | | | | |
| 20. FACILITY OWNER OR OPERATOR: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19. | | | | | | | | | | | | | |
| Printed/Typed Name & Position Title SAMUEL A RIDGEWAY | | | | | | | | | | Signature <i>Samuel A Ridgeway</i> | | Date Month Day Year 2/15/90 | |

EPA Form 8700-22 (Rev. 9-88) Previous editions are obsolete.

Copy Distribution:

1 - Generator send to Wis. DNR

4 - Facility retain

2 - Generator retain

5 - Facility send to Generator

3 - Facility send to Wis. DNR

6 - Transporter retain

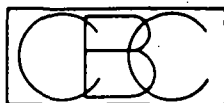
Copies 1 & 3 mail to Wis. DNR at above address.

Emergency 24 Hour Assistance Telephone Number

In Wisconsin (608) 266-3232

Outside Wisconsin (800) 424-8802

COPY 5 — FACILITY SEND TO GENERATOR



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

01/26/90

LABORATORY REPORT

PAGE 1

F089 8445035 W29

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90017-F04409 WASTEWATER
DATE COLLECTED 01/16/90 DATE RECEIVED 01/17/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.3 | MG/L |
| COPPER - TOTAL | 1.1 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| ZINC - TOTAL | 0.66 | MG/L |
| NICKEL - TOTAL | 2.2 | MG/L |

!
!
!
!
!

SAMPLE # 35
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

01/29/90

LABORATORY REPORT

PAGE 1

F089 8445116 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90018-F04409 WASTEWATER /1-17-90
DATE COLLECTED 01/17/90 DATE RECEIVED 01/18/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.32 | MG/L |
| COPPER - TOTAL | 0.34 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.46 | MG/L |
| ZINC - TOTAL | 0.36 | MG/L |

!
!
!
!
!

SAMPLE #36
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT

N/T = NOT TESTED

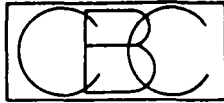
N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

01/30/90

LABORATORY REPORT

PAGE 1

F089 8445173 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90019-F04409 WASTEWATER /1-18-90
DATE COLLECTED 01/18/90 DATE RECEIVED 01/19/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.14 | MG/L |
| COPPER - TOTAL | 0.24 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.37 | MG/L |
| ZINC - TOTAL | 0.05 | MG/L |

!
!
!
!
!

SAMPLE #37
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL KMK

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

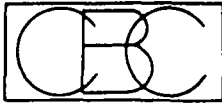
Facility Site ID#: FST-001

Date of Sample: 01-29-90 01-30-90 01-31-90 02-01-90 Average

Flow (GPD):

| <u>Parameter</u> | <u>Units of Measure</u> | | | | | | |
|------------------|-------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Arsenic | ug/L | <u># 38</u> | <u># 39</u> | <u># 40</u> | <u># 41</u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>.150</u> | <u>.750</u> | <u>.160</u> | <u>.100</u> | <u> </u> | <u>.290</u> |
| Copper | ug/L | <u>.230</u> | <u>.360</u> | <u>.170</u> | <u>.350</u> | <u> </u> | <u>.277</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><40</u> | <u>50</u> | <u><40</u> | <u><40</u> | <u> </u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>.250</u> | <u>.190</u> | <u>.120</u> | <u>.090</u> | <u> </u> | <u>.162</u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u>7</u> | <u>6</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>70</u> | <u>190</u> | <u>70</u> | <u>240</u> | <u> </u> | <u>.142</u> |
| Cyanide (grab) | mg/L | <u>0.051</u> | <u><0.001</u> | <u><0.001</u> | <u><0.001</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce G. Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

02/02/90

LABORATORY REPORT

PAGE 1

F089 8445514 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

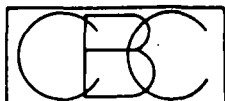
SAMPLE 90030-F04409 WASTEWATER
DATE COLLECTED 01/29/90 DATE RECEIVED 01/30/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.13 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.19 | MG/L |
| ZINC - TOTAL | 0.07 | MG/L |

!
!
!
!
!

SAMPLE # 38
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. *[Signature]*
! = REPRINT N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL _____



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

02/02/90

LABORATORY REPORT

PAGE 1

F089 8445588 W31

FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90031-F04409 WASTEWATER/1-30-90
DATE COLLECTED 01/30/90 DATE RECEIVED 01/31/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 3.8 | MG/L |
| COPPER - TOTAL | 0.28 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.16 | MG/L |
| ZINC - TOTAL | 0.26 | MG/L |

!
!
!
!
!

SAMPLE # 39
IN LOG BOOK.

2.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED

! = REPRINT

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

02/02/90

LABORATORY REPORT

PAGE 1

F089 8445631 W31

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90032-F04409 WASTEWATER/1-31-90
DATE COLLECTED 01/31/90 DATE RECEIVED 02/01/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.16 | MG/L |
| COPPER - TOTAL | 0.13 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.11 | MG/L |
| ZINC - TOTAL | 0.09 | MG/L |

!
!
!
!
!

SAMPLE #40
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

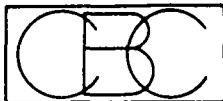
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

02/06/90

LABORATORY REPORT

PAGE 1

F089 8445681 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAVKA

SAMPLE 90033-F04409 WASTEWATER /2-1-90
DATE COLLECTED 02/01/90 DATE RECEIVED 02/02/90

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.08 | MG/L |
| COPPER - TOTAL | 0.25 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.08 | MG/L |
| ZINC - TOTAL | 0.22 | MG/L |

!
!
!
!
!

SAMPLE #41
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

KMK

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 03/05/90

DATE RECEIVED: 03/06/90

GML SAMPLE CODE: 0899F-90

ANALYSIS COMPLETED: 03/19/90

REPORT NUMBER: 0410

REPORT DATE: 03/20/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.122 | 4. Nickel | 0.840 |
| 2. Copper | 1.05 | 5. Zinc | 0.287 |
| 3. Lead | 0.080 | | |

SAMPLE #42
IN LOG BOOK.

LAB DIRECTOR Dr. John D. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 03/06/90

DATE RECEIVED: 03/07/90

GML SAMPLE CODE: 0940F-90

ANALYSIS COMPLETED: 03/19/90

REPORT NUMBER: 0411

REPORT DATE: 03/20/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.198 | 4. Nickel | 0.292 |
| 2. Copper | 0.400 | 5. Zinc | 0.176 |
| 3. Lead | 0.010 | | |

SAMPLE #43
IN LOG BOOK.

LAB DIRECTOR Dr. John L. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 03/07/90

DATE RECEIVED: 03/08/90

GML SAMPLE CODE: 0949F-90

ANALYSIS COMPLETED: 03/19/90

REPORT NUMBER: 0412

REPORT DATE: 03/20/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.012 | 4. Nickel | 0.60 |
| 2. Copper | 0.317 | 5. Zinc | 0.162 |
| 3. Lead | 0.070 | | |

SAMPLE #44
IN LOG BOOK.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 03/08/90

DATE RECEIVED: 03/09/90

GML SAMPLE CODE: 0957F-90

ANALYSIS COMPLETED: 03/27/90

REPORT NUMBER: 0484

REPORT DATE: 03/30/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | <0.003 | 4. Nickel | 0.265 |
| 2. Copper | 0.378 | 5. Zinc | 0.306 |
| 3. Lead | 0.040 | | |

SAMPLE #45
IN LOG BOOK.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 04/23/90

GML SAMPLE CODE: 1550F-90

REPORT NUMBER: 0682A

REPORT DATE: 05/15/90

DATE RECEIVED: 04/27/90

ANALYSIS COMPLETED: 05/11/90

Revised: 05/18/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.217 | 4. Nickel | 0.866 |
| 2. Copper | 0.531 | 5. Zinc | 0.217 |
| 3. Lead | <0.010 | | |

SAMPLE #46
IN LOG BOOK

LAB DIRECTOR

Dr. Richard R. Korte, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 04/24/90

DATE RECEIVED: 04/25/90

GML SAMPLE CODE: 1564F-90

ANALYSIS COMPLETED: 05/11/90

REPORT NUMBER: 0680

REPORT DATE: 05/15/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.199 | 4. Nickel | 0.823 |
| 2. Copper | 0.775 | 5. Zinc | 0.403 |
| 3. Lead | <0.010 | | |

SAMPLE #47
IN LOG BOOK

LAB DIRECTOR

Deborah A. Juszkiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 04/25/90

DATE RECEIVED: 04/26/90

GML SAMPLE CODE: 1612F-90

ANALYSIS COMPLETED: 05/11/90

REPORT NUMBER: 0681

REPORT DATE: 05/15/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.199 | 4. Nickel | 0.454 |
| 2. Copper | 0.305 | 5. Zinc | 0.140 |
| 3. Lead | <0.010 | | |

SAMPLE # 48
IN LOG BOOK

LAB DIRECTOR

Deborah A. Sufficiency

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI
SUBJECT: Wastewater Sample
WI CERTIFICATION ID #: 252087440
P.O. #: Verbal Quote
SAMPLE DATE: 04/26/90
GML SAMPLE CODE: 1617F-90
REPORT NUMBER: 0683
REPORT DATE: 05/15/90

DATE RECEIVED: 04/27/90
ANALYSIS COMPLETED: 05/11/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.083 | 4. Nickel | 0.889 |
| 2. Copper | 0.590 | 5. Zinc | 0.358 |
| 3. Lead | 0.030 | | |

SAMPLE #49
IN LOG BOOK

LAB DIRECTOR

Deborah A. Juszkiewicz

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: . 05-07-90 05-08-90 05-09-90 05-10-90 Average

Flow (GPD): # 50 # 51 # 52 # 53

Parameter Units of Measure

| | | | | | | | |
|----------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>.140</u> | <u>.130</u> | <u>.082</u> | <u>.130</u> | <u> </u> | <u> </u> |
| Copper | ug/L | <u>.460</u> | <u>.560</u> | <u>.390</u> | <u>.490</u> | <u> </u> | <u> </u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><40</u> | <u><40</u> | <u><40</u> | <u><40</u> | <u> </u> | <u> </u> |
| Mercury | ug/L | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | <u><0.2</u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>.610</u> | <u>.750</u> | <u>.350</u> | <u>.480</u> | <u> </u> | <u> </u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>.160</u> | <u>.390</u> | <u>.280</u> | <u>.280</u> | <u> </u> | <u> </u> |
| Cyanide (grab) | mg/L | <u><0.001</u> | <u><0.001</u> | <u><0.001</u> | <u><0.001</u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u>8</u> | <u>9</u> | <u>2</u> | <u>6</u> | <u> </u> | <u>6</u> |
| BOD 5 | mg/L | <u>33</u> | <u>17</u> | <u>16</u> | <u>20</u> | <u> </u> | <u>22</u> |
| Phosphorus | mg/L | <u>15.1</u> | <u>5.6</u> | <u>4.9</u> | <u>10.8</u> | <u> </u> | <u>9.1</u> |
| pH | -- | <u>9.7</u> | <u>9.3</u> | <u>8.8</u> | <u>9.0</u> | <u> </u> | <u>9.2</u> |
| Susp. Solids | mg/L | <u>14</u> | <u>28</u> | <u>22</u> | <u>20</u> | <u> </u> | <u>21</u> |

Certified by Bruce Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 05/07/90

DATE RECEIVED: 05/08/90

GML SAMPLE CODE: 1857F-90

ANALYSIS COMPLETED: 05/17/90

REPORT NUMBER: 0724

REPORT DATE: 05/21/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.030 | 4. Nickel | 0.563 |
| 2. Copper | 0.234 | 5. Zinc | 0.042 |
| 3. Lead | 0.04 | | |

SAMPLE #50
IN LOG BOOK

LAB DIRECTOR

Dr. John L. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 05/08/90

GML SAMPLE CODE: 1872F-90

REPORT NUMBER: 0719A

REPORT DATE: 05/18/90

DATE RECEIVED: 05/09/90

ANALYSIS COMPLETED: 05/17/90

REVISED: 05/21/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.142 | 4. Nickel | 1.008 |
| 2. Copper | 0.648 | 5. Zinc | 0.391 |
| 3. Lead | 0.020 | | |

SAMPLE #51
IN LOG BOOK

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: 05/09/90

DATE RECEIVED: 05/10/90

GML SAMPLE CODE: 1882F-90

ANALYSIS COMPLETED: 05/21/90

REPORT NUMBER: 0784

REPORT DATE: 05/25/90

TOTAL METALS [UNITS = ppm]

| | | | |
|--------------------|-------|-----------|-------|
| 1. Chromium | 0.017 | 4. Nickel | 0.463 |
| 2. Copper | 0.248 | 5. Zinc | 0.150 |
| 3. Lead | 0.100 | | |
| pH, Standard Units | 7.01 | | |

SAMPLE #52
IN LOG BOOK

LAB DIRECTOR

Dr. John A. Roberts, Ph.D.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal Quote

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 05/11/90

GML SAMPLE CODE: 1904F-90

ANALYSIS COMPLETED: 05/24/90

REPORT NUMBER: 0831

REPORT DATE: 05/31/90

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|-------|
| 1. Chromium | 0.115 | 4. Nickel | 0.720 |
| 2. Copper | 0.492 | 5. Zinc | 0.318 |
| 3. Lead | 0.100 | | |

SAMPLE #53
IN LOG BOOK

LAB DIRECTOR

Deborah A. Inspeiring

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

SEP 10 1990

Date of Sample: 07-16-90 07-17-90 07-18-90 07-19-90 _____ Average

Flow (GPD): # 54 # 55 # 56 # 57 _____

Parameter Units of Measure

| | | | | | | |
|----------------|------|------------------|------------------|------------------|------------------|-------|
| Arsenic | ug/L | _____ | _____ | _____ | _____ | _____ |
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | _____ |
| Chromium | ug/L | <u>880</u> | <u>240</u> | <u>210</u> | <u>340</u> | _____ |
| Copper | ug/L | <u>1,400</u> | <u>400</u> | <u>360</u> | <u>630</u> | _____ |
| Iron | mg/L | _____ | _____ | _____ | _____ | _____ |
| Lead | ug/L | <u>72</u> | <u><40</u> | <u><40</u> | <u><40</u> | _____ |
| Mercury | ug/L | _____ | _____ | _____ | _____ | _____ |
| Nickel | ug/L | <u>670</u> | <u>180</u> | <u>170</u> | <u>340</u> | _____ |
| Silver | ug/L | <u>8</u> | <u><5</u> | <u><5</u> | <u><5</u> | _____ |
| Zinc | ug/L | <u>790</u> | <u>190</u> | <u>170</u> | <u>340</u> | _____ |
| Cyanide (grab) | mg/L | <u><0.001</u> | <u><0.001</u> | <u><0.001</u> | <u><0.001</u> | _____ |
| Phenol | mg/L | _____ | _____ | _____ | _____ | _____ |
| Oil & Grease | mg/L | _____ | _____ | _____ | _____ | _____ |
| BOD 5 | mg/L | _____ | _____ | _____ | _____ | _____ |
| Phosphorus | mg/L | _____ | _____ | _____ | _____ | _____ |
| pH | -- | _____ | _____ | _____ | _____ | _____ |
| Susp. Solids | mg/L | _____ | _____ | _____ | _____ | _____ |

Certified by

Bruce G. Rabe

Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company

SUBJECT: Analysis of Water Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 07/16/90

DATE RECEIVED: 07/17/90

GML SAMPLE CODE: 2792F-90

ANALYSIS COMPLETED: 08/13/90

REPORT NUMBER: 1248

REPORT DATE: 08/16/90

DET. LIMIT

| | | |
|----------------|------------|-----------|
| Total Chromium | 1.16 ppm | 0.200 ppm |
| Total Copper | 1.128 ppm | 0.100 ppm |
| Total Lead | <0.200 ppm | 0.200 ppm |
| Total Nickel | 0.818 ppm | 0.200 ppm |
| Total Zinc | 0.968 ppm | 0.200 ppm |

SAMPLE #54
IN LOG BOOK

LAB DIRECTOR

Deborah A. Juszkiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company

SUBJECT: Analysis of Water Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 07/17/90

DATE RECEIVED: 07/18/90

GML SAMPLE CODE: 2813F-90

ANALYSIS COMPLETED: 08/13/90

REPORT NUMBER: 1247

REPORT DATE: 08/16/90

DET. LIMIT

| | | |
|----------------|------------|-----------|
| Total Chromium | <0.200 ppm | 0.200 ppm |
| Total Copper | 0.149 ppm | 0.100 ppm |
| Total Lead | <0.200 ppm | 0.200 ppm |
| Total Nickel | <0.200 ppm | 0.200 ppm |
| Total Zinc | <0.200 ppm | 0.200 ppm |

SAMPLE #55
IN LOG BOOK

LAB DIRECTOR

Deborah A. Supfuehring

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company

SUBJECT: Analysis of Water Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 07/18/90

DATE RECEIVED: 07/18/90

GML SAMPLE CODE: 2848F-90

ANALYSIS COMPLETED: 08/13/90

REPORT NUMBER: 1249

REPORT DATE: 08/16/90

| | | DET. LIMIT |
|----------------|------------|------------|
| Total Chromium | <0.200 ppm | 0.200 ppm |
| Total Copper | 0.252 ppm | 0.100 ppm |
| Total Lead | <0.200 ppm | 0.200 ppm |
| Total Nickel | <0.200 ppm | 0.200 ppm |
| Total Zinc | <0.200 ppm | 0.200 ppm |

SAMPLE #56
IN LOG BOOK

LAB DIRECTOR

Deborah A. Suskiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company

SUBJECT: Analysis of Water Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 07/19/90

DATE RECEIVED: 07/19/90

GML SAMPLE CODE: 2849F-90

ANALYSIS COMPLETED: 08/13/90

REPORT NUMBER: 1250

REPORT DATE: 08/16/90

| | | DET. LIMIT |
|----------------|------------|------------|
| Total Chromium | 0.489 ppm | 0.200 ppm |
| Total Copper | 0.579 ppm | 0.100 ppm |
| Total Lead | <0.200 ppm | 0.200 ppm |
| Total Nickel | 0.392 ppm | 0.200 ppm |
| Total Zinc | 0.473 ppm | 0.200 ppm |

SAMPLE # 57
IN LOG BOOK

LAB DIRECTOR

Deborah A. Jursiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID#: 252087440

GL WI CERTIFICATION ID#: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/10/90

DATE RECEIVED: 09/11/90

GML SAMPLE CODE: 3462F-90

ANALYSIS COMPLETED: 09/17/90

REPORT NUMBER: 1448

REPORT DATE: 09/18/90

DET. LIMIT

| | | |
|----------------|-----------|-----------|
| Total Chromium | 0.588 ppm | 0.050 ppm |
| Total Lead | 0.250 ppm | 0.100 ppm |
| Total Copper | 1.12 ppm | 0.020 ppm |
| Total Nickel | 0.206 ppm | 0.040 ppm |
| Total Zinc | 0.368 ppm | 0.050 ppm |

SAMPLE #58
IN LOG BOOK

LAB DIRECTOR

Deborah A. Juszkiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID#: 252087440

GL WI CERTIFICATION ID#: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/11/90

DATE RECEIVED: 09/12/90

GML SAMPLE CODE: 3464F-90

ANALYSIS COMPLETED: 09/21/90

REPORT NUMBER: 1475

REPORT DATE: 09/21/90

DET. LIMIT

| | | |
|----------------|------------|-----------|
| Total Chromium | 0.474 ppm | 0.005 ppm |
| Total Lead | <0.100 ppm | 0.100 ppm |
| Total Copper | 0.624 ppm | 0.020 ppm |
| Total Nickel | 0.135 ppm | 0.040 ppm |
| Total Zinc | 0.255 ppm | 0.005 ppm |

#59 IN
LOG BOOK

LAB DIRECTOR

Deborah A. Subfiewicz

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID#: 252087440

GL WI CERTIFICATION ID#: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/12/90

DATE RECEIVED: 09/13/90

GML SAMPLE CODE: 3486F-90

ANALYSIS COMPLETED: 09/21/90

REPORT NUMBER: 1476

REPORT DATE: 09/21/90

DET. LIMIT

| | | |
|----------------|-----------|-----------|
| Total Chromium | 0.730 ppm | 0.005 ppm |
| Total Lead | 0.240 ppm | 0.100 ppm |
| Total Copper | 1.254 ppm | 0.020 ppm |
| Total Nickel | 0.341 ppm | 0.040 ppm |
| Total Zinc | 0.394 ppm | 0.005 ppm |

SAMPLE #60
IN LOG BOOK

LAB DIRECTOR

White Copy - Client
Yellow Copy - Control
Pink Copy - Billing

Deborah Q. Insufficiency

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID#: 252087440

GL WI CERTIFICATION ID#: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/13/90

DATE RECEIVED: 09/14/90

GML SAMPLE CODE: 3500F-90

ANALYSIS COMPLETED: 09/26/90

REPORT NUMBER: 1496

REPORT DATE: 09/27/90

| | | DET. LIMIT |
|----------------|-----------|------------|
| Total Chromium | 2.55 ppm | 0.050 ppm |
| Total Lead | 0.640 ppm | 0.100 ppm |
| Total Copper | 3.15 ppm | 0.020 ppm |
| Total Nickel | 1.00 ppm | 0.040 ppm |
| Total Zinc | 0.152 ppm | 0.005 ppm |

NOTE: Water samples are disposed of 30 days after receipt;
Non-Water samples will be returned 6 weeks after receipt.

SAMPLE #61
IN LOG BOOK

LAB DIRECTOR

Deborah A. Jusskeewicz

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 10/29/90 10/30/90 10/31/90 11/01/90 Average

Flow (GPD): # 62 # 63 # 64 # 65

Parameter Units of Measure

| | | | | | | |
|----------------|------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u><10</u> | <u><10</u> | <u><10</u> | <u><10</u> | <u> </u> |
| Chromium | ug/L | <u>180</u> | <u>150</u> | <u>150</u> | <u>260</u> | <u>.185</u> |
| Copper | ug/L | <u>480</u> | <u>240</u> | <u>1,200</u> | <u>500</u> | <u>.605</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u><40</u> | <u><40</u> | <u><40</u> | <u><40</u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>330</u> | <u>150</u> | <u>230</u> | <u>140</u> | <u>.212</u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | <u> </u> |
| Zinc | ug/L | <u>81</u> | <u>49</u> | <u>190</u> | <u>57</u> | <u>.094</u> |
| Cyanide (grab) | mg/L | <u>0.003</u> | <u>0.001</u> | <u>0.002</u> | <u>0.001</u> | <u>.00175</u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/29/90

DATE RECEIVED: 10/30/90

GML SAMPLE CODE: 4031F-90

ANALYSIS COMPLETED: 11/09/90

REPORT NUMBER: 1695

REPORT DATE: 11/12/90

| | | DET. LIMIT |
|----------------|------------|------------|
| Total Chromium | 0.198 ppm | 0.050 ppm |
| Total Lead | <0.100 ppm | 0.100 ppm |
| Total Copper | 0.446 ppm | 0.020 ppm |
| Total Nickel | 0.227 ppm | 0.040 ppm |
| Total Zinc | <0.005 ppm | 0.005 ppm |

SAMPLE #62
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/30/90

DATE RECEIVED: 10/31/90

GML SAMPLE CODE: 4037F-90

ANALYSIS COMPLETED: 11/09/90

REPORT NUMBER: 1696

REPORT DATE: 11/12/90

DET. LIMIT

| | | |
|----------------|------------|-----------|
| Total Chromium | 0.155 ppm | 0.050 ppm |
| Total Lead | <0.100 ppm | 0.100 ppm |
| Total Copper | 0.279 ppm | 0.020 ppm |
| Total Nickel | 0.045 ppm | 0.040 ppm |
| Total Zinc | <0.005 ppm | 0.005 ppm |

SAMPLE #63
IN LOG BOOK

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/31/90

DATE RECEIVED: 11/01/90

GML SAMPLE CODE: 4058F-90

ANALYSIS COMPLETED: 11/13/90

REPORT NUMBER: 1709

REPORT DATE: 11/14/90

| | | DET. LIMIT |
|----------------|------------|------------|
| Total Chromium | 0.161 ppm | 0.050 ppm |
| Total Lead | <0.100 ppm | 0.100 ppm |
| Total Copper | 1.031 ppm | 0.020 ppm |
| Total Nickel | 0.219 ppm | 0.040 ppm |
| Total Zinc | 0.220 ppm | 0.005 ppm |

SAMPLE # 64
IN LOG BOOK

LAB DIRECTOR _____

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 11/01/90

DATE RECEIVED: 11/02/90

GML SAMPLE CODE: 4075F-90

ANALYSIS COMPLETED: 11/13/90

REPORT NUMBER: 1711

REPORT DATE: 11/14/90

| | | DET. LIMIT |
|----------------|------------|------------|
| Total Chromium | 0.299 ppm | 0.050 ppm |
| Total Lead | <0.100 ppm | 0.100 ppm |
| Total Copper | 0.447 ppm | 0.020 ppm |
| Total Nickel | 0.137 ppm | 0.040 ppm |
| Total Zinc | 0.149 ppm | 0.005 ppm |

SAMPLE #65
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 1-14-91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/14/91

DATE RECEIVED: 01/15/91

GML SAMPLE CODE: 0200F-91

ANALYSIS COMPLETED: 01/24/91

REPORT NUMBER: 0136

REPORT DATE: 01/25/91

| SAMPLE DESCRIPTION | 01/14/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.161 mg/L | 0.050 mg/L |
| T. Lead | 0.17 mg/L | 0.10 mg/L |
| T. Copper | 0.214 mg/L | 0.020 mg/L |
| T. Nickel | 0.345 mg/L | 0.040 mg/L |
| T. Zinc | 0.142 mg/L | 0.005 mg/L |

#66 IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 1-15-91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/15/91

DATE RECEIVED: 01/16/91

GML SAMPLE CODE: 0220F-91

ANALYSIS COMPLETED: 01/24/91

REPORT NUMBER: 0135

REPORT DATE: 01/25/91

| SAMPLE DESCRIPTION | 01/15/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.161 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.261 mg/L | 0.020 mg/L |
| T. Nickel | 0.377 mg/L | 0.040 mg/L |
| T. Zinc | 0.193 mg/L | 0.005 mg/L |

SAMPLE #67
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 1-16-91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/16/91

DATE RECEIVED: 01/16/91

GML SAMPLE CODE: 0232F-91

ANALYSIS COMPLETED: 01/31/91

REPORT NUMBER: 0160

REPORT DATE: 02/01/91

| SAMPLE DESCRIPTION | 01/16/91 | DET. LIMIT |
|--------------------|-------------|------------|
| T. Chromium | 0.220 mg/L | 0.050 mg/L |
| T. Lead | <0.100 mg/L | 0.100 mg/L |
| T. Copper | 0.414 mg/L | 0.020 mg/L |
| T. Nickel | 1.02 mg/L | 0.040 mg/L |
| T. Zinc | 0.247 mg/L | 0.005 mg/L |

SAMPLE #68
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 1-17-91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 01/17/91

GML SAMPLE CODE: 0273F-91

REPORT NUMBER: 0161

REPORT DATE: 02/01/91

DATE RECEIVED: 01/21/91

ANALYSIS COMPLETED: 01/31/91

| SAMPLE DESCRIPTION | 01/16/91 | DET. LIMIT |
|--------------------|-------------|------------|
| T. Chromium | 0.186 mg/L | 0.050 mg/L |
| T. Lead | <0.100 mg/L | 0.100 mg/L |
| T. Copper | 0.296 mg/L | 0.020 mg/L |
| T. Nickel | 0.286 mg/L | 0.040 mg/L |
| T. Zinc | 0.090 mg/L | 0.005 mg/L |

SAMPLE # 69
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 02/25/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 02/25/91

DATE RECEIVED: 02/26/91

GML SAMPLE CODE: 0649F-91

ANALYSIS COMPLETED: 03/13/91

REPORT NUMBER: 0378

REPORT DATE: 03/18/91

SAMPLE DESCRIPTION

WASTEWATER
02/25/91

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.191 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.277 mg/L | 0.020 mg/L |
| T. Nickel | 0.934 mg/L | 0.040 mg/L |
| T. Zinc | 0.165 mg/L | 0.005 mg/L |

SERIES
CANCELED (DON'T USE)

SAMPLE # 70
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 02/27/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 02/27/91

GML SAMPLE CODE: 0675F-91

REPORT NUMBER: 0367

REPORT DATE: 03/18/91

DATE RECEIVED: 02/27/91

ANALYSIS COMPLETED: 03/13/91

| SAMPLE DESCRIPTION | WASTEWATER 02/27/91 | DET. LIMIT |
|--------------------|------------------------|------------|
| T. Chromium | 0.188 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.785 mg/L | 0.020 mg/L |
| T. Nickel | 0.356 mg/L | 0.040 mg/L |
| T. Zinc | 0.428 mg/L | 0.005 mg/L |

SERIES
CANCELED (DON'T USE)

SAMPLE # 71
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 03/05/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 03/05/91

GML SAMPLE CODE: 0739F-91

REPORT NUMBER: 0366

REPORT DATE: 03/18/91

DATE RECEIVED: 03/05/91

ANALYSIS COMPLETED: 03/14/91

| SAMPLE DESCRIPTION | WASTEWATER SAMPLE 03/05/91 | DET. LIMIT |
|--------------------|----------------------------------|------------|
| T. Chromium | 0.074 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.520 mg/L | 0.020 mg/L |
| T. Nickel | 0.690 mg/L | 0.040 mg/L |
| T. Zinc | 0.104 mg/L | 0.005 mg/L |

SAMPLE # 73
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 03/06/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 03/06/91

DATE RECEIVED: 03/06/91

GML SAMPLE CODE: 0755F-91

ANALYSIS COMPLETED: 03/22/91

REPORT NUMBER: 0431

REPORT DATE: 03/25/91

SAMPLE DESCRIPTION

WASTEWATER
SAMPLE
03/06/91

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | 0.052 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.429 mg/L | 0.020 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.241 mg/L | 0.005 mg/L |

SAMPLE # 74
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 03/06/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 03/06/91

DATE RECEIVED: 03/07/91

GML SAMPLE CODE: 0764F-91

ANALYSIS COMPLETED: 03/22/91

REPORT NUMBER: 0433

REPORT DATE: 03/25/91

| SAMPLE DESCRIPTION | WASTEWATER SAMPLE 03/06/91 | DET. LIMIT |
|--------------------|----------------------------------|------------|
| T. Cadmium | <0.005 mg/L | 0.005 mg/L |
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.321 mg/L | 0.040 mg/L |
| T. Zinc | 0.325 mg/L | 0.005 mg/L |

SAMPLE #75
IN LOG BOOK

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 03/07/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 03/07/91

DATE RECEIVED: 03/08/91

GML SAMPLE CODE: 0804F-91

ANALYSIS COMPLETED: 03/29/91

REPORT NUMBER: 0458

REPORT DATE: 04/01/91

| SAMPLE DESCRIPTION | WASTEWATER SAMPLE 03/07/91 | DET. LIMIT |
|--------------------|----------------------------------|------------|
| T. Cadmium | <0.005 mg/L | 0.005 mg/L |
| T. Chromium | 0.121 mg/L | 0.050 mg/L |
| T. Lead | 0.41 mg/L | 0.10 mg/L |
| T. Nickel | 0.404 mg/L | 0.040 mg/L |
| T. Zinc | 0.489 mg/L | 0.005 mg/L |

SAMPLE #76
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Wastewater Samples, 04/15/91 & 04/16/91
GML WI CERTIFICATION ID: 252087440
GL WI CERTIFICATION ID: 999520940
P.O. #: VERBAL
SAMPLE DATE: 04/15-16/91
GML SAMPLE CODE: GIVEN BELOW
REPORT NUMBER: 0621
REPORT DATE: 05/06/91

DATE RECEIVED: 04/17/91
ANALYSIS COMPLETED: 05/02/91

| GML SAMPLE CODE: | 1363F-91 | 1364F-91 | |
|--------------------|------------|------------|------------|
| SAMPLE DESCRIPTION | 04/15/91 | 04/16/91 | DET. LIMIT |
| T. Chromium | 0.086 mg/L | 0.888 mg/L | 0.050 mg/L |
| T. Copper | 0.521 mg/L | 0.944 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.36 mg/L | 0.10 mg/L |
| T. Nickel | 0.285 mg/L | 0.591 mg/L | 0.040 mg/L |
| T. Zinc | 0.236 mg/L | 0.673 mg/L | 0.005 mg/L |

#77
IN LOG BOOK

#78 IN
LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 04/18/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/18

DATE RECEIVED: 04/18/91

GML SAMPLE CODE: 1397F-91

ANALYSIS COMPLETED: 05/15/91

REPORT NUMBER: 0681

REPORT DATE: 05/16/91

| GML SAMPLE CODE: | 1397F-91 | |
|--------------------|-------------|------------|
| SAMPLE DESCRIPTION | 04/18/91 | DET. LIMIT |
| T. Chromium | 0.453 mg/L | 0.050 mg/L |
| T. Copper | 0.311 mg/L | 0.020 mg/L |
| T. Lead | <0.100 mg/L | 0.100 mg/L |
| T. Nickel | 0.171 mg/L | 0.040 mg/L |
| T. Zinc | 0.038 mg/L | 0.005 mg/L |

SAMPLE # 79
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Samples, 04/18/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 04/18/91

DATE RECEIVED: 04/18/91

GML SAMPLE CODE: 1378F-91

ANALYSIS COMPLETED: 04/30/91

REPORT NUMBER: 0623

REPORT DATE: 05/06/91

| GML SAMPLE CODE: | 1378F-91 | |
|--------------------|-------------|------------|
| SAMPLE DESCRIPTION | 04/18/91 | DET. LIMIT |
| T. Chromium | 0.150 mg/L | 0.050 mg/L |
| T. Copper | <0.100 mg/L | 0.100 mg/L |
| T. Lead | 0.308 mg/L | 0.020 mg/L |
| T. Nickel | 0.276 mg/L | 0.040 mg/L |
| T. Zinc | 0.194 mg/L | 0.005 mg/L |

#80 IN
LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 07/15/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 07/15/91

DATE RECEIVED: 07/17/91

GML SAMPLE CODE: 2712F-91

ANALYSIS COMPLETED: 07/29/91

REPORT NUMBER: 1000

REPORT DATE: 07/30/91

SAMPLE DESCRIPTION

07/15/91
2:55 PM

DET. LIMIT

T. Chromium

0.065 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.463 mg/L

0.020 mg/L

T. Nickel

0.091 mg/L

0.040 mg/L

T. Zinc

0.194 mg/L

0.005 mg/L

SAMPLE # 81 IN

LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 07/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 07/17/91

DATE RECEIVED: 07/17/91

GML SAMPLE CODE: 2744F-91

ANALYSIS COMPLETED: 07/29/91

REPORT NUMBER: 0999

REPORT DATE: 07/30/91

SAMPLE DESCRIPTION

07/17/91

DET. LIMIT

2:53 PM

T. Chromium

<0.050 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.250 mg/L

0.020 mg/L

T. Nickel

0.075 mg/L

0.040 mg/L

T. Zinc

0.100 mg/L

0.005 mg/L

SAMPLE

#82 IN

LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 07/18/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 07/18/91

DATE RECEIVED: 07/18/91

GML SAMPLE CODE: 2761F-91

ANALYSIS COMPLETED: 07/29/91

REPORT NUMBER: 1003

REPORT DATE: 07/30/91

SAMPLE DESCRIPTION

07/18/91
2:15 PM

DET. LIMIT

T. Chromium

<0.050 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.029 mg/L

0.020 mg/L

T. Nickel

0.232 mg/L

0.040 mg/L

T. Zinc

<0.005 mg/L

0.005 mg/L

SAMPLE #83 IN
LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 07/19/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 07/19/91

DATE RECEIVED: 07/19/91

GML SAMPLE CODE: 2788F-91

ANALYSIS COMPLETED: 07/29/91

REPORT NUMBER: 1002

REPORT DATE: 07/30/91

SAMPLE DESCRIPTION

07/19/91
3:00 PM

DET. LIMIT

T. Chromium

<0.050 mg/L

0.050 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Copper

0.227 mg/L

0.020 mg/L

T. Nickel

0.259 mg/L

0.040 mg/L

T. Zinc

<0.005 mg/L

0.005 mg/L

SAMPLE

84 IN

LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 08/20/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 08/20/91

DATE RECEIVED: 08/20/91

GML SAMPLE CODE: 3123F-91

ANALYSIS COMPLETED: 08/28/91

REPORT NUMBER: 1132

REPORT DATE: 08/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
3123F-91

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | 0.130 mg/L | 0.050 mg/L |
| T. Copper | 0.127 mg/L | 0.020 mg/L |
| T. Lead | <0.010 mg/L | 0.010 mg/L |
| T. Nickel | 0.128 mg/L | 0.040 mg/L |
| T. Zinc | 0.065 mg/L | 0.005 mg/L |

SAMPLE #85
IN LOG BOOK

LAB DIRECTOR

Joyce Mattner

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 08/23/91

GML SAMPLE CODE: 3174F-91

ANALYSIS COMPLETED: 09/10/91

REPORT NUMBER: 1176

REPORT DATE: 09/13/91

SAMPLE DESCRIPTION

Wastewater
Sample
3174F-91

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Copper | 0.098 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.062 mg/L | 0.040 mg/L |
| T. Zinc | 0.045 mg/L | 0.005 mg/L |

SAMPLE # 86
IN LOG BOOK

LAB DIRECTOR 

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 08/20/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 08/20/91

DATE RECEIVED: 08/22/91

GML SAMPLE CODE: 3153F-91

ANALYSIS COMPLETED: 08/28/91

REPORT NUMBER: 1133

REPORT DATE: 08/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
3153F-91
08-20-91

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.064 mg/L | 0.050 mg/L |
| T. Copper | 0.076 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.146 mg/L | 0.040 mg/L |
| T. Zinc | 0.043 mg/L | 0.005 mg/L |

SAMPLE # 87
IN LOG BOOK.

LAB DIRECTOR

Joyce Mattner

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 08/23/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 08/23/91

DATE RECEIVED: 08/23/91

GML SAMPLE CODE: 3207F-91

ANALYSIS COMPLETED: 09/10/91

REPORT NUMBER: 1177

REPORT DATE: 09/13/91

SAMPLE DESCRIPTION

Wastewater
Sample
08/23/91

DET. LIMIT

| | | |
|-------------|-------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Copper | 0.067 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | <0.040 mg/L | 0.040 mg/L |
| T. Zinc | 0.049 mg/L | 0.005 mg/L |

SAMPLE # 88
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 09/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/17/91

DATE RECEIVED: 09/17/91

GML SAMPLE CODE: 3426F-91

ANALYSIS COMPLETED: 09/26/91

REPORT NUMBER: 1232

REPORT DATE: 09/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
09/17/91

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.206 mg/L | 0.050 mg/L |
| T. Copper | 0.617 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.963 mg/L | 0.040 mg/L |
| T. Zinc | 0.315 mg/L | 0.005 mg/L |

SAMPLE # 89
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 09/18/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/18/91

DATE RECEIVED: 09/18/91

GML SAMPLE CODE: 3430F-91

ANALYSIS COMPLETED: 09/26/91

REPORT NUMBER: 1231

REPORT DATE: 09/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
09/18/91

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.118 mg/L | 0.050 mg/L |
| T. Copper | 0.566 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.441 mg/L | 0.040 mg/L |
| T. Zinc | 0.213 mg/L | 0.005 mg/L |

SAMPLE #90
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656
Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 09/19/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/19/91

DATE RECEIVED: 09/19/91

GML SAMPLE CODE: 3439F-91

ANALYSIS COMPLETED: 09/26/91

REPORT NUMBER: 1230

REPORT DATE: 09/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
09/19/91

DET. LIMIT

T. Chromium

0.060 mg/L

0.050 mg/L

T. Copper

0.213 mg/L

0.020 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Nickel

0.152 mg/L

0.040 mg/L

T. Zinc

0.121 mg/L

0.005 mg/L

SAMPLE # 91
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 09/20/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 09/20/91

DATE RECEIVED: 09/20/91

GML SAMPLE CODE: 3456F-91

ANALYSIS COMPLETED: 09/26/91

REPORT NUMBER: 1229

REPORT DATE: 09/30/91

SAMPLE DESCRIPTION

Wastewater
Sample
09/20/91

DET. LIMIT

| | | |
|-------------|------------|------------|
| T. Chromium | 0.368 mg/L | 0.050 mg/L |
| T. Copper | 1.45 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 4.91 mg/L | 0.400 mg/L |
| T. Zinc | 0.525 mg/L | 0.005 mg/L |

SAMPLE #92
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Sample, 10/21/91
GML WI CERTIFICATION ID: 252087440
GL WI CERTIFICATION ID: 999520940
P.O. #: Verbal
SAMPLE DATE: 10/21/91
GML SAMPLE CODE: 3805F-91
REPORT NUMBER: 1414
REPORT DATE: 11/08/91

DATE RECEIVED: 10/22/91
DATE COMPLETED: 11/06/91

| SAMPLE DESCRIPTION | 10/21/91 WASTEWATER | DET. LIMIT |
|--------------------|------------------------|------------|
| T. Chromium | 0.083 mg/L | 0.050 mg/L |
| T. Copper | 0.286 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.326 mg/L | 0.040 mg/L |
| T. Zinc | 0.151 mg/L | 0.005 mg/L |

SAMPLE #93
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Sample, 10/22/91
GML WI CERTIFICATION ID: 252087440
GL WI CERTIFICATION ID: 999520940
P.O. #: Verbal
SAMPLE DATE: 10/22/91
GML SAMPLE CODE: 3829F-91
REPORT NUMBER: 1429
REPORT DATE: 11/08/91

DATE RECEIVED: 10/23/91
DATE COMPLETED: 11/06/91

| SAMPLE DESCRIPTION | 10/22/91 WASTEWATER | DET. LIMIT |
|--------------------|------------------------|------------|
| T. Chromium | 0.067 mg/L | 0.050 mg/L |
| T. Copper | 0.287 mg/L | 0.020 mg/L |
| T. Lead | 0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.486 mg/L | 0.040 mg/L |
| T. Zinc | 0.138 mg/L | 0.005 mg/L |

SAMPLE #94
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/23/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/23/91

DATE RECEIVED: 10/24/91

GML SAMPLE CODE: 3845F-91

DATE COMPLETED: 11/06/91

REPORT NUMBER: 1416

REPORT DATE: 11/08/91

| SAMPLE DESCRIPTION | 10/23/91 WASTEWATER | DET. LIMIT |
|--------------------|------------------------|------------|
| T. Chromium | <0.050 mg/L | 0.050 mg/L |
| T. Copper | 0.328 mg/L | 0.020 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Nickel | 0.483 mg/L | 0.040 mg/L |
| T. Zinc | 0.178 mg/L | 0.005 mg/L |

SAMPLE #95
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Sample, 10/24/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 10/24/91

DATE RECEIVED: 10/25/91

GML SAMPLE CODE: 3861F-91

DATE COMPLETED: 11/06/91

REPORT NUMBER: 1418

REPORT DATE: 11/08/91

SAMPLE DESCRIPTION

10/24/91
WASTEWATER

DET. LIMIT

| | | | | |
|-------------|-------|------|-------|------|
| T. Chromium | 0.242 | mg/L | 0.050 | mg/L |
| T. Copper | 1.65 | mg/L | 0.020 | mg/L |
| T. Lead | 0.16 | mg/L | 0.10 | mg/L |
| T. Nickel | 1.26 | mg/L | 0.040 | mg/L |
| T. Zinc | 0.988 | mg/L | 0.005 | mg/L |

SAMPLE #96
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 11/12/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 11/12/91

DATE RECEIVED: 11/12/91

GML SAMPLE CODE: 4000F-91

DATE COMPLETED: 11/19/91

REPORT NUMBER: 1477

REPORT DATE: 11/21/91

SAMPLE DESCRIPTION

11/12/91
COMPOSITE
8:07 AM

DET. LIMIT

| | | | | |
|-------------|-------|------|-------|------|
| T. Chromium | 0.415 | mg/L | 0.050 | mg/L |
| T. Copper | 1.22 | mg/L | 0.020 | mg/L |
| T. Lead | <0.10 | mg/L | 0.10 | mg/L |
| T. Nickel | 2.70 | mg/L | 0.040 | mg/L |
| T. Zinc | 0.775 | mg/L | 0.005 | mg/L |

SAMPLE # 97
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 11/13/91

DATE RECEIVED: 11/13/91

GML SAMPLE CODE: 4024F-91

DATE COMPLETED: 11/19/91

REPORT NUMBER: 1478

REPORT DATE: 11/21/91

SAMPLE DESCRIPTION

COMPOSITE

DET. LIMIT

11/13/91

T. Chromium

0.203 mg/L

0.050 mg/L

T. Copper

0.864 mg/L

0.020 mg/L

T. Lead

<0.10 mg/L

0.10 mg/L

T. Nickel

2.01 mg/L

0.040 mg/L

T. Zinc

0.575 mg/L

0.005 mg/L

SAMPLE #98
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 11/14/91

DATE RECEIVED: 11/14/91

GML SAMPLE CODE: 4030F-91

DATE COMPLETED: 11/19/91

REPORT NUMBER: 1479

REPORT DATE: 11/21/91

SAMPLE DESCRIPTION

COMPOSITE
11/14/91

DET. LIMIT

| | | | | |
|-------------|-------|------|-------|------|
| T. Chromium | 0.249 | mg/L | 0.050 | mg/L |
| T. Copper | 0.685 | mg/L | 0.020 | mg/L |
| T. Lead | <0.10 | mg/L | 0.10 | mg/L |
| T. Nickel | 1.24 | mg/L | 0.040 | mg/L |
| T. Zinc | 0.411 | mg/L | 0.005 | mg/L |

SAMPLE #99
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: Verbal

SAMPLE DATE: 11/15/91

DATE RECEIVED: 11/15/91

GML SAMPLE CODE: 4035F-91

DATE COMPLETED: 11/19/91

REPORT NUMBER: 1480

REPORT DATE: 11/21/91

SAMPLE DESCRIPTION

COMPOSITE
11/15/91

DET. LIMIT

| | | | | |
|-------------|-------|------|-------|------|
| T. Chromium | 0.251 | mg/L | 0.050 | mg/L |
| T. Copper | 0.534 | mg/L | 0.020 | mg/L |
| T. Lead | <0.10 | mg/L | 0.10 | mg/L |
| T. Nickel | 1.12 | mg/L | 0.040 | mg/L |
| T. Zinc | 0.427 | mg/L | 0.005 | mg/L |

SAMPLE #100
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 12/16/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/16/91

DATE RECEIVED: 12/17/91

GML SAMPLE CODE: 4334F-91

ANALYSIS COMPLETED: 12/23/91

REPORT NUMBER: 1583

REPORT DATE: 12/23/91

| SAMPLE DESCRIPTION | 12/16/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.563 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 1.70 mg/L | 0.020 mg/L |
| T. Nickel | 2.60 mg/L | 0.040 mg/L |
| T. Zinc | 1.27 mg/L | 0.005 mg/L |

SAMPLE #101
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 12/17/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/17/91

DATE RECEIVED: 12/18/91

GML SAMPLE CODE: 4338F-91

ANALYSIS COMPLETED: 12/23/91

REPORT NUMBER: 1584

REPORT DATE: 12/23/91

| SAMPLE DESCRIPTION | 12/17/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.096 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.317 mg/L | 0.020 mg/L |
| T. Nickel | 1.43 mg/L | 0.040 mg/L |
| T. Zinc | 0.226 mg/L | 0.005 mg/L |

SAMPLE #102
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 12/18/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/18/91

DATE RECEIVED: 12/19/91

GML SAMPLE CODE: 4340F-91

ANALYSIS COMPLETED: 01/02/92

REPORT NUMBER: 0004

REPORT DATE: 01/02/92

| SAMPLE DESCRIPTION | 12/18/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.065 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.342 mg/L | 0.020 mg/L |
| T. Nickel | 0.822 mg/L | 0.040 mg/L |
| T. Zinc | 0.286 mg/L | 0.005 mg/L |

SAMPLE #103
IN LOG BOOK

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI

SUBJECT: Analysis of Wastewater Sample, 12/19/91

GML WI CERTIFICATION ID: 252087440

GL WI CERTIFICATION ID: 999520940

P.O. #: VERBAL

SAMPLE DATE: 12/19/91

DATE RECEIVED: 12/20/91

GML SAMPLE CODE: 4395F-91

ANALYSIS COMPLETED: 01/02/92

REPORT NUMBER: 0005

REPORT DATE: 01/02/92

| SAMPLE DESCRIPTION | 12/19/91 | DET. LIMIT |
|--------------------|------------|------------|
| T. Chromium | 0.078 mg/L | 0.050 mg/L |
| T. Lead | <0.10 mg/L | 0.10 mg/L |
| T. Copper | 0.238 mg/L | 0.020 mg/L |
| T. Nickel | 0.586 mg/L | 0.040 mg/L |
| T. Zinc | 0.132 mg/L | 0.005 mg/L |

SAMPLE #104
IN LOG BOOK.

LAB DIRECTOR

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

FROST CO.

FOUNDED IN 1908



Manufacturers of

PLUMBERS BRASS GOODS - TUBING BENDS - BRASS CASTINGS
STAMPING - DEEP DRAWING - ELECTROPLATING

PHONE 658-4301
AREA CODE 414

6523-14TH AVENUE
KENOSHA, WISCONSIN 53141

April 12, 1989

Mr. Bruce Rabe
Kenosha Water Utility
Water Pollution Control Division
7834 - 3rd Ave.
Kenosha, WI 53140

Subject: Waste Water Pretreatment

Dear Mr. Rabe:

As of April 12, 1989 the start-up phase of our waste water pre-treatment facility was completed. We are confident at this time that we are in compliance with current waste water regulations.

As previously discussed, you are welcome to visit our facility at any time. We are looking forward to meeting you in the near future.

Sincerely yours,

FROST CO.

Morris LaBelle
Mfg. Manager

ML:par
cc: O. Fred Nelson
cc: Brian Zakowski

BOARD OF WATER COMMISSIONERS

Paul J. Raddatz, Chairman
Charles W. Bradley
Ricky A. Herrmann
George R. Fitchett
Emanuel E. Rizzo
Michael J. Serpe



Water Production Division
100 - 51st Place — 656-8146
Water Distribution Division
3617 - 65th Street — 656-8148
Water Pollution Control Division
7834 - 3rd Avenue — 654-4333
Administrative Division
812 - 56th Street
Kenosha, Wisconsin 53140
Phone 414-656-8140

O. Fred Nelson, P.E., General Manager

April 10, 1989

Frost Company
6523 - 14th Avenue
Kenosha, WI 53140

Attn: Mr. John Frost Jr.

Subj: NOTICE OF VIOLATION

Certified Mail P-626 510 451

Dear Mr. Frost

The Kenosha WPCD monitored the effluent from your company between the 5th and 9th of February. The sampling events were unscheduled and the results for chromium made your company out of compliance with 40 CFR 433, Metal Finishing pretreatment standards.

The daily maximum was exceeded on three out of four samplings for chromium. The average concentration of the four daily samples also made Frost out of compliance for monthly average. I know that your company is under a compliance schedule and will, therefore, defer further enforcement action until the pretreatment system is operating or more than 90 days has passed since compliance was to have been met (compliance landmark date on WDNR approved compliance schedule.).

Please let me know as soon as possible when your pretreatment system becomes operational. This matter should be resolved without further delay. I look forward to hearing from you regarding this problem. If you have any questions, please call me at 654-4333.

Sincerely,

A handwritten signature in cursive script that reads "Bruce G. Rabe".

Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

cc: Catherine Hay - WDNR/SED

"Providing and Protecting Kenosha's Greatest Natural Resource"

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 02-06-89 02-07-89 02-08-89 02-09-89 Average

Flow (GPD):

Parameter Units of Measure

| | | | | | | |
|----------------|------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u>4</u> | <u>2</u> | <u><2</u> | <u><2</u> | <u> </u> |
| Chromium | ug/L | <u>9480</u> | <u>4710</u> | <u>1680</u> | <u>14,600</u> | <u> </u> |
| Copper | ug/L | <u>2550</u> | <u>1050</u> | <u>570</u> | <u>1420</u> | <u> </u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u>61</u> | <u>37</u> | <u>33</u> | <u>42</u> | <u> </u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>1930</u> | <u>750</u> | <u>240</u> | <u>880</u> | <u> </u> |
| Silver | ug/L | <u><5</u> | <u><5</u> | <u><5</u> | <u><5</u> | <u> </u> |
| Zinc | ug/L | <u>1730</u> | <u>650</u> | <u>540</u> | <u>910</u> | <u> </u> |
| Cyanide (grab) | mg/L | <u>0.003</u> | <u>0.004</u> | <u>0.002</u> | <u>0.001</u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | -- | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce G. Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025-8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T02466 WASTEWATER / PROJECT# FROST CO #626 / SUMP #222
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.14 | MG/L |
| COPPER - TOTAL | 0.12 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.07 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

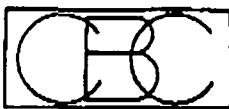
N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-363-3840



ENVIRONMENTAL SERVICES

CHEM-NO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025-8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T02466 WASTEWATER / PROJECT# FROST CO #626 / SUMP #222
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.14 | MG/L |
| COPPER - TOTAL | 0.12 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.07 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

TO25 8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T01218 WASTEWATER / PROJECT# FROST CO #626 / FILTER 001
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.29 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.24 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL

BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30

DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. *GM*

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

ENVIRONMENTAL SERVICES

04/04/89

LABORATORY REPORT

PAGE 1

TO25 8433633 W81
CS/05/ / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89090-T01218 WASTEWATER / PROJECT# FROST CO #626 / FILTER 001
DATE COLLECTED 03/31/89 DATE RECEIVED 03/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.29 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.24 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. *GM*

N/T = NOT TESTED N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025 8433677 W29

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89093-T02466 FROST CO./#626/SAMPLE #01NP
DATE COLLECTED 04/03/89 DATE RECEIVED 04/03/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.80 | MG/L |
| COPPER - TOTAL | 0.33 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.27 | MG/L |
| ZINC - TOTAL | 0.29 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-363-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/04/89

LABORATORY REPORT

PAGE 1

T025 8433677 W29

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89093-T02466 FROST CO./#626/SAMPLE #01NP
DATE COLLECTED 04/03/89 DATE RECEIVED 04/03/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.80 | MG/L |
| COPPER - TOTAL | 0.33 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.27 | MG/L |
| ZINC - TOTAL | 0.29 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

LEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

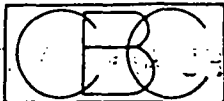
N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

04/05/89

LABORATORY REPORT

PAGE 1

T025 8433718 W81

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89094-T02466 WASTEWATER / FROST CO. / TRIAD# 626 / 0123WP
DATE COLLECTED 04/04/89 DATE RECEIVED 04/04/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.5 | MG/L |
| COPPER - TOTAL | 0.28 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.41 | MG/L |
| ZINC - TOTAL | 0.13 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

'LEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

FROST CO.

FOUNDED IN 1902

PHONE 658-4301
AREA CODE 414

Manufacturers of

PLUMBERS BRASS GOODS - TUBING BENDS - BRASS CASTINGS
STAMPING - DEEP DRAWING - ELECTROPLATING

6523-14TH AVENUE
KENOSHA, WISCONSIN 53141

John,

The results of the city's recent monitoring (4/17 - 4/20) are as follows:

Chromium

| | AVERAGE | 1 - DAY MAXIMUM |
|-------|---------|--------------------|
| * 4.8 | 4.0 | 7.0 |
| * 4.2 | 4.0 | 7.0 |
| 2.5 | 4.0 | 7.0 |
| * 3.6 | 4.0 | 7.0 |
| 1.8 | 2.7 | 4.5 |
| * 4.6 | 2.7 | 4.5 |
| 2.2 | 2.7 | 4.5 |
| 1.8 | 2.7 | 4.5 |
| 1.9 | 2.4 | 4.1 |
| * 5.6 | 2.4 | 4.1 |
| 3.0 | 2.4 | 4.1 |
| 1.1 | 2.4 | 4.1 |

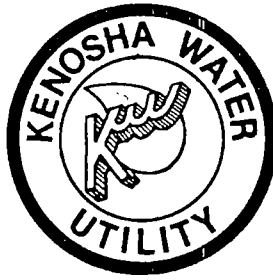
Copper

Nickel

Morrey

BOARD OF WATER COMMISSIONERS

Paul J. Raddatz, Chairman
Charles W. Bradley
Ricky A. Herrmann
George R. Fitchett
Emanuel E. Rizzo
Michael J. Serpe



Water Production Division
100 - 51st Place — 656-8146
Water Distribution Division
3617 - 65th Street — 656-8148
Water Pollution Control Division
7834 - 3rd Avenue — 654-4333
Administrative Division
812 - 56th Street
Kenosha, Wisconsin 53140
Phone 414-656-8140

O. Fred Nelson, P.E., General Manager

May 19, 1989

Frost Co.
6523 - 14th Avenue
Kenosha, WI 53140

Attn: Mr. Morris LaBelle

Subj: Notice of Violation

Certified Mail P-626 510 458

Dear Mr. LaBelle:

The Kenosha WPCD monitored the effluent from your company between the 17th and 21st of April. The sampling events were unscheduled and the results for chromium, copper, and nickel made your company out of compliance with 40 CFR 433, Metal Finishing pretreatment standards.

The daily maximum was exceeded on three out of four samplings for chromium. The monthly average was exceeded for chromium, copper, and nickel. Copper and nickel each exceeded the daily maximum one out of four days. I know that your company is under a compliance schedule and will therefore, defer further enforcement action at this time. Enforcement will only be deferred until the results from the next compliance monitoring are completed or 30 days pass, whichever is earliest.

Hopefully, this matter can be resolved without further delays. I look forward to the day when Frost is in compliance and there are no problems with the pretreatment system's operation and maintenance. If you have any questions, please call me at 654-4333.

Sincerely,

A handwritten signature in cursive script that reads "Bruce G. Rabe".

Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

cc: Catherine Hay - WDNR/SED

BGR:jz

Analytical Results - Wastewater Monitoring

Facility Site ID#: FST-001

Flow (GPD): _____

| | | | | | | |
|----------------|------|-------|-------|-------|-------|-------|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | |
| Chromium | ug/L | 2,400 | 2,500 | 1,800 | 760 | 1.865 |
| Copper | ug/L | 3,200 | 1,500 | 1,600 | 4,300 | 2.65 |
| Iron | mg/L | | | | | |
| Lead | ug/L | 170 | 130 | 150 | 85 | .325 |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 980 | 1,700 | 1,700 | 5,400 | 2.445 |
| Silver | ug/L | | | | | |
| Zinc | ug/L | 1,400 | 2,500 | 2,600 | 1,300 | 1.95 |
| Cyanide (grab) | mg/L | | | | | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce G. Rabe
Bruce G. Rabe
Industrial Wastewater Specialist/
Lab Manager

LABORATORY REPORT

P.O. Box 1599
Kenosha, Wisconsin 53141
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Unknown sample
WI CERTIFICATION ID#: 252087440
P. O. # Verbal/Zakowski
SAMPLE NUMBER: 2263-89
REPORT NUMBER: 5072
REPORT DATE: 6/2/89

| UNITS | ppm |
|----------------|-------|
| Total Cadmium | 0.011 |
| Total Chromium | 2.73 |
| Total Copper | 1.695 |
| Total Lead | 0.03 |
| Total Nickel | 2.075 |
| Total Silver | 0.009 |
| Total Zinc | 1.62 |
| Total Cyanide | <0.04 |



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/07/89

LABORATORY REPORT

PAGE 1

T025 8436136 W81
KP/* / / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEENHOLZ

SAMPLE 89157-T01218 WASTEWATER /PROJECT: FROST /TRIAD /#526-001
DATE COLLECTED 06/06/89 DATE RECEIVED 06/06/89

| TEST NAME | RESULT | UNITS |
|--------------------|--------|-------|
| CHROMIUM - TOTAL | 1.4 | MG/L |
| COPPER - TOTAL | 1.0 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 0.35 | MG/L |
| ZINC - TOTAL | 0.98 | MG/L |
| CHROMIUM - SOLUBLE | 0.01 | MG/L |
| COPPER - SOLUBLE | 0.05 | MG/L |
| LEAD - SOLUBLE | <0.1 | MG/L |
| NICKEL - SOLUBLE | 0.23 | MG/L |
| ZINC - SOLUBLE | 0.05 | MG/L |

MAY - 15 - 19

SAMPLE TAKEN 5/18

SAMPLE SENT 5/19

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

CBC626-001

Tuesday 6/6/89

Units = mg/l

MONDAY

| | TOTALS | SOLUBLES |
|--------|--------|----------|
| Chrome | 1.4 | 0.01 |
| Copper | 1.0 | 0.05 |
| Lead | 0.3 | <0.1 |
| Nickel | 0.35 | 0.23 |
| Zinc | 0.98 | 0.05 |

626-002

Wednesday 6/7/89

Units = mg/l

TUESDAY

| | TOTALS | SOLUBLES |
|--------|--------|----------|
| Chrome | 1.5 | 0.01 |
| Nickel | 0.98 | 0.58 |
| Copper | 0.74 | 0.04 |
| Lead | 0.1 | <0.1 |
| Zinc | 0.73 | 0.07 |

626-003

Thursday 6/8/89

Units = mg/l

WEDNESDAY

| | TOTALS | SOLUBLES |
|--------|--------|----------|
| Chrome | 2.1 | 0.02 |
| Nickel | 1.8 | 0.75 |
| Copper | 0.96 | 0.03 |
| Lead | <0.1 | <0.1 |
| Zinc | ? | ? |



McGean-Rohco, Inc.

ROHCO DIVISION

5621 Commonwealth Ave., Detroit, Michigan 48208-313/872-1800

June 16, 1989

Frost Company
6523 14th Street
Kenosha, WI 53140

Attn: Jim Lanctot
FAX-(414)658-0791

Gentlemen:

The waste samples for analysis is as follows.

| Sample Number | 1 | 2 | 3 | 4 |
|---------------|----------|----------|----------|---------|
| Sample Date | 6/6/89 | 6/7/89 | 6/8/89 | 6/9/89 |
| pH | 7.2 | 6.8 | 7.2 | 7.1 |
| Zinc | 1.7 ppm | 1.4 ppm | 1.2 ppm | 1.8 ppm |
| Copper | 1.4 ppm | 0.9 ppm | 2.2 ppm | 1.9 ppm |
| Nickel | 0.47 ppm | 1.33 ppm | 3.14 ppm | 2.9 ppm |
| Chrome Total | 1.73 ppm | 2.1 ppm | 4.68 ppm | 6.9 ppm |
| Phosphorous | 92 ppm | 81 ppm | 149 ppm | 210 ppm |

Analysis was performed on a Atomic Adsorption Perkin Elmer on metals.
The phosphorous was run by molybdic phosphate precipitation.

This is not a certified analysis, but should be used as a guide line
for evaluating your system.

Very truly yours,

M. Arthur Detrisac
Technical Director
Surface Treatment Products

MAD:bas



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/15/89

LABORATORY REPORT

PAGE 1

F089 8436392 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: BRIAN ZAKOWSKI

SAMPLE 89163-F04409 WATER
DATE COLLECTED 06/10/89 DATE RECEIVED 06/12/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 6.9 | MG/L |
| COPPER - TOTAL | 7.9 | MG/L |
| LEAD - TOTAL | 0.4 | MG/L |
| NICKEL - TOTAL | 11 | MG/L |
| ZINC - TOTAL | 0.72 | MG/L |

SAMPLE #1 IN SAMPLE LOG.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

P.O. Box 1599
Kenosha, Wisconsin 53141
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Company, Kenosha, WI
SUBJECT: Analysis of Unknown sample
WI CERTIFICATION ID#: 252087440
P. O. # Verbal/Zakowski
SAMPLE NUMBER: 2593-89
REPORT NUMBER: 5179
REPORT DATE: 6/23/89

*LAB IS
IN KENOSHA*

ANALYSIS

| UNITS | ppm |
|----------------|-------|
| Total Chromium | 2.73 |
| Total Copper | 2.117 |
| Total Lead | 0.34 |
| Total Nickel | 3.049 |
| Total Zinc | 1.87 |

*SAMPLE #2
IN LOG BOOK*

LAB DIRECTOR Dr. John Roberts

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/21/89

LABORATORY REPORT

PAGE 1

T025 8436763 W70

KP/* / / /

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE #3
IN LOG BOOK

SAMPLE 89171-T01218 FROST CO WASTEWATER
DATE COLLECTED 06/20/89 DATE RECEIVED 06/20/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 8.7 | MG/L |
| COPPER - TOTAL | 3.0 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 2.1 | MG/L |
| ZINC - TOTAL | 1.8 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
BEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

06/22/89

LABORATORY REPORT

PAGE 1

T025 8436798 W70
KP/* / / /TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA ,WI 53222
ATTN: DICK MEINHOLZSAMPLE # 4
IN LOG BOOKSAMPLE 89172-T01218 FROST CO WASTEWATER
DATE COLLECTED 06/21/89 DATE RECEIVED 06/21/89

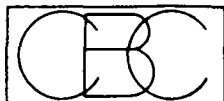
| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 7.2 | MG/L |
| COPPER - TOTAL | 1.9 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 2.4 | MG/L |
| ZINC - TOTAL | 0.97 | MG/L |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/08/89

LABORATORY REPORT

PAGE 1


F089 8437172 W81

FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89180-F04409 WATER
DATE COLLECTED 06/27/89 DATE RECEIVED 06/29/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.5 | MG/L |
| COPPER - TOTAL | 1.5 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 0.75 | MG/L |
| ZINC - TOTAL | 1.3 | MG/L |

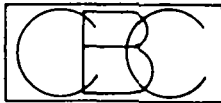
SAMPLE #5
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/08/89

LABORATORY REPORT

PAGE 1

F089 8437245 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

SAMPLE 89181-F04409 WASTEWATER
DATE COLLECTED 06/29/89 DATE RECEIVED 06/30/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.1 | MG/L |
| COPPER - TOTAL | 2.9 | MG/L |
| LEAD - TOTAL | 0.3 | MG/L |
| NICKEL - TOTAL | 5.2 | MG/L |
| ZINC - TOTAL | 1.7 | MG/L |

SAMPLE # 6
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

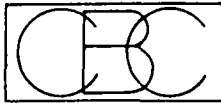
N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/11/89

LABORATORY REPORT

PAGE 1


F089 8437305 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89184-F04409 WASTEWATER
DATE COLLECTED 06/29/89 DATE RECEIVED 07/03/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 3.0 | MG/L |
| COPPER - TOTAL | 1.6 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.89 | MG/L |
| ZINC - TOTAL | 0.85 | MG/L |

SAMPLE # 7
IN LOG. BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

$$6/89 = 12/89$$

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 07-10-89 07-11-89 07-12-89 07-13-89 **Average**

Flow (GPD):

Parameter Units of Measure

| | | | | | | | |
|----------------|------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------|-------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>1.4</u> <u>2,000</u> | <u>2.6</u> <u>3,500</u> | <u>3.1</u> <u>4,000</u> | <u>3.8</u> <u>5,200</u> | <u> </u> | <u>3.67</u> |
| Copper | ug/L | <u>0.3</u> <u>1,000</u> | <u>.98</u> <u>1,300</u> | <u>.96</u> <u>1,200</u> | <u>1.6</u> <u>2,500</u> | <u> </u> | <u>1.5</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u>60</u> | <u>80</u> | <u>80</u> | <u>.26</u> <u>220</u> | <u> </u> | <u>.60</u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>1.7</u> <u>2,100</u> | <u>.62</u> <u>880</u> | <u>1.5</u> <u>2,000</u> | <u>.83</u> <u>1,300</u> | <u> </u> | <u>1.57</u> |
| Silver | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>59</u> <u>720</u> | <u>69</u> <u>840</u> | <u>51</u> <u>630</u> | <u>1.1</u> <u>1,700</u> | <u> </u> | <u>.97</u> |
| Cyanide (grab) | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | — | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY**

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 07-24-89 07-25-89 07-26-89 07-27-89 Average

Flow (GPD):

Parameter Units of Measure

| | | | | | | |
|----------------|------|----------------------------|----------------------------|----------------------------|----------------------------|-------------------|
| Arsenic | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Cadmium | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Chromium | ug/L | <u>1.5</u> <u>1,900</u> | <u>2.6</u> <u>3,200</u> | <u>1.1</u> <u>1,300</u> | <u>1.8</u> <u>2,200</u> | <u>1.51</u> |
| Copper | ug/L | <u>.58</u> <u>750</u> | <u>1.2</u> <u>1,800</u> | <u>.99</u> <u>1,300</u> | <u>.59</u> <u>760</u> | <u>1.15</u> |
| Iron | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Lead | ug/L | <u>.10</u> <u>40</u> | <u>90</u> | <u>.2</u> <u>140</u> | <u>.1</u> <u>120</u> | <u>.39</u> |
| Mercury | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Nickel | ug/L | <u>.72</u> <u>850</u> | <u>1.5</u> <u>2,000</u> | <u>.96</u> <u>1,100</u> | <u>.65</u> <u>690</u> | <u>1.14</u> |
| Silver | ug/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Zinc | ug/L | <u>.57</u> <u>710</u> | <u>.72</u> <u>880</u> | <u>.99</u> <u>1,100</u> | <u>.54</u> <u>590</u> | <u>.82</u> |
| Cyanide (grab) | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phenol | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Oil & Grease | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| BOD 5 | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Phosphorus | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| pH | — | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| Susp. Solids | mg/L | <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |

Certified by Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| | | | | | | |
|-----------------|-----------------|-----------------|-----------------|-----------------|------------|----------------|
| | <u>SAMPLE</u> | <u>#17</u> | <u>#18</u> | <u>#19</u> | <u>#20</u> | |
| Date of Sample: | <u>08-07-89</u> | <u>08-08-89</u> | <u>08-09-89</u> | <u>08-10-89</u> | | <u>Average</u> |

Flow (GPD): _____

| <u>Parameter</u> | <u>Units of Measure</u> | | | | | |
|------------------|-------------------------|-------|-----|-----|-----|--|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | | | | | |
| Chromium | ug/L | 1,300 | 620 | 370 | 240 | |
| Copper | ug/L | 960 | 580 | 340 | 220 | |
| Iron | mg/L | | | | | |
| Lead | ug/L | | | | | |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 1,000 | 430 | 370 | 120 | |
| Silver | ug/L | | | | | |
| Zinc | ug/L | 420 | 380 | 140 | 60 | |
| Cyanide (grab) | mg/L | | | | | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | | | | | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| | SAMPLE | #22 | #23 | #24 | #25 | | Average |
|-----------------|----------|----------|----------|----------|-----|--|---------|
| Date of Sample: | 08-21-89 | 08-22-89 | 08-23-89 | 08-24-89 | | | |

Flow (GPD): _____

Parameter Units of Measure

| | | | | | | | |
|----------------|------|--------|--------|--------|--------|--|-------|
| Arsenic | ug/L | | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 50 | 80 | 100 | 330 | | .140 |
| Copper | ug/L | 140 | 160 | 400 | 350 | | .2625 |
| Iron | mg/L | | | | | | |
| Lead | ug/L | <40 | <40 | <40 | <40 | | |
| Mercury | ug/L | | | | | | |
| Nickel | ug/L | 320 | 260 | 680 | 170 | | .3575 |
| Silver | ug/L | <5 | <5 | <5 | <5 | | |
| Zinc | ug/L | 130 | 80 | 380 | 260 | | .2125 |
| Cyanide (grab) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | | | | | | |
| BOD 5 | mg/L | | | | | | |
| Phosphorus | mg/L | | | | | | |
| pH | -- | | | | | | |
| Susp. Solids | mg/L | | | | | | |

Certified by Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

| Date of Sample: | #26 09-11-89 | #27 09-12-89 | #28 09-13-89 | #29 09-14-89 | Average |
|-----------------|-----------------|-----------------|-----------------|-----------------|---------|
|-----------------|-----------------|-----------------|-----------------|-----------------|---------|

Flow (GPD): _____

Parameter Units of Measure

| | | | | | | |
|----------------|------|--------|-------|-------|-------|--|
| Arsenic | ug/L | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | |
| Chromium | ug/L | 80 | 190 | 100 | 100 | |
| Copper | ug/L | 130 | 220 | 230 | 170 | |
| Iron | mg/L | | | | | |
| Lead | ug/L | <40 | <40 | <40 | <40 | |
| Mercury | ug/L | | | | | |
| Nickel | ug/L | 120 | 160 | 80 | 120 | |
| Silver | ug/L | 5 | 5 | 6 | <5 | |
| Zinc | ug/L | 40 | 50 | 80 | 70 | |
| Cyanide (grab) | mg/L | <0.001 | 0.001 | 0.002 | 0.002 | |
| Phenol | mg/L | | | | | |
| Oil & Grease | mg/L | | | | | |
| BOD 5 | mg/L | | | | | |
| Phosphorus | mg/L | | | | | |
| pH | -- | 8.5 | 8.7 | 7.6 | 9.0 | |
| Susp. Solids | mg/L | | | | | |

Certified by Bruce G. Rabe
Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

KENOSHA WATER UTILITY
WATER POLLUTION CONTROL DIVISION
LABORATORY

Analytical Results - Wastewater Monitoring

Facility Name: FROST COMPANY

Facility Site ID#: FST-001

Date of Sample: 11-06-89 11-07-89 11-08-89 11-09-89 Average

Flow (GPD): SAMPLE : # 30 # 31 # 32 # 33

Parameter Units of Measure

| | | | | | | | |
|----------------|------|--------|--------|--------|--------|--|------|
| Arsenic | ug/L | | | | | | |
| Cadmium | ug/L | <10 | <10 | <10 | <10 | | |
| Chromium | ug/L | 120 | 230 | 160 | 290 | | .20 |
| Copper | ug/L | 420 | 560 | 410 | 470 | | .465 |
| Iron | mg/L | | | | | | |
| Lead | ug/L | <40 | <40 | <40 | <40 | | |
| Mercury | ug/L | | | | | | |
| Nickel | ug/L | 470 | 620 | 240 | 360 | | .422 |
| Silver | ug/L | 5 | 8 | 10 | 9 | | .008 |
| Zinc | ug/L | 170 | 150 | 130 | 230 | | .17 |
| Cyanide (grab) | mg/L | <0.001 | <0.001 | <0.001 | <0.001 | | |
| Phenol | mg/L | | | | | | |
| Oil & Grease | mg/L | | | | | | |
| BOD 5 | mg/L | | | | | | |
| Phosphorus | mg/L | | | | | | |
| pH | -- | | | | | | |
| Susp. Solids | mg/L | | | | | | |

Certified by Bruce Rabe

Bruce G. Rabe
Kenosha Water Utility - Lab Mgr./
Industrial Wastewater Specialist

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/13/89

LABORATORY REPORT

PAGE 1

T025 8437551 W70

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89192-T01218 WATER/OUTFALL 001
DATE COLLECTED 07/11/89 DATE RECEIVED 07/11/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.4 | MG/L |
| COPPER - TOTAL | 0.80 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 1.7 | MG/L |
| ZINC - TOTAL | 0.59 | MG/L |

Sample 8 in log Book

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

! = REPRINT

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/13/89

LABORATORY REPORT

PAGE 1

T025 8437571 W70

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89193-T03198 WASTEWATER/FROST 626-002
DATE COLLECTED 07/12/89 DATE RECEIVED 07/12/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.6 | MG/L |
| COPPER - TOTAL | 0.98 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.62 | MG/L |
| ZINC - TOTAL | 0.69 | MG/L |

Sample 9 in log book

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

**ENVIRONMENTAL
SERVICES**

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/14/89

LABORATORY REPORT

PAGE 1

T025 8437551 W70

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: DICK MEINHOLZ

SAMPLE 89194-T01218 WASTEWATER/FROST/626-003
DATE COLLECTED 07/13/89 DATE RECEIVED 07/13/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 3.1 | MG/L |
| COPPER - TOTAL | 0.96 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 1.5 | MG/L |
| ZINC - TOTAL | 0.51 | MG/L |

SAMPLE #10
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

BEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-910 CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

07/18/89

LABORATORY REPORT

PAGE 1

T025 8437664 W70

TRIAD ENGINEERING, INC.
3333 N. MAYFAIR ROAD SUITE 103
WAUWATOSA, WI 53222
ATTN: STEVE GALEWSKI

SAMPLE 89195-T01219 WATER/FROST/626-004
DATE COLLECTED 07/14/89 DATE RECEIVED 07/14/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 3.8 | MG/L |
| COPPER - TOTAL | 1.6 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 0.83 | MG/L |
| ZINC - TOTAL | 1.1 | MG/L |

SAMPLE # 11
IN ~~THE~~ LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

ST METHODS FOR EVALUATING SOLID WASTE. PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T - NOT TESTED

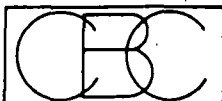
N/A - NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/07/89

LABORATORY REPORT

PAGE 1

F089 8437930 W61

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89201-F04409 WATER
DATE COLLECTED 07/18/89 DATE RECEIVED 07/20/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.1 | MG/L |
| COPPER - TOTAL | 1.1 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 0.21 | MG/L |
| ZINC - TOTAL | 1.2 | MG/L |

SAMPLE # 12
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

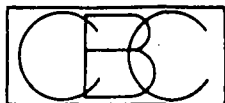
N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/09/89

LABORATORY REPORT

PAGE 1

F089 8438226 W61

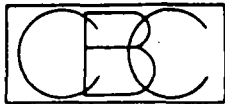
FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89208-F04409 WATER
DATE COLLECTED 07/24/89 DATE RECEIVED 07/27/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.5 | MG/L |
| COPPER - TOTAL | 0.58 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.72 | MG/L |
| ZINC - TOTAL | 0.57 | MG/L |

#13 IN SAMPLE
LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. *[Signature]*
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/10/89

LABORATORY REPORT

PAGE 1


F089 8438344 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

SAMPLE 89212--F04409 WATER/7-25-89
DATE COLLECTED 07/25/89 DATE RECEIVED 07/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 2.6 | MG/L |
| COPPER - TOTAL | 1.2 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 1.5 | MG/L |
| ZINC - TOTAL | 0.72 | MG/L |

SAMPLE #14
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/10/89

LABORATORY REPORT

PAGE 1


F089 8438344 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89212-F04619 WATER/7-26-89
DATE COLLECTED 07/26/89 DATE RECEIVED 07/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.10 | MG/L |
| COPPER - TOTAL | 0.99 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 0.96 | MG/L |
| ZINC - TOTAL | 0.99 | MG/L |

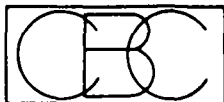
SAMPLE #15
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/10/89

LABORATORY REPORT

PAGE 1

F089 8438344 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89212-F04620 WATER/7-27-89
DATE COLLECTED 07/27/89 DATE RECEIVED 07/31/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.8 | MG/L |
| COPPER - TOTAL | 0.59 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.65 | MG/L |
| ZINC - TOTAL | 0.54 | MG/L |

SAMPLE #14
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-SO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7008

08/09/89

LABORATORY REPORT

PAGE 1

F089 8438758 W81

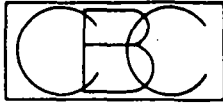
FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89220-F04409 WATER
DATE COLLECTED 08/07/89 DATE RECEIVED 08/08/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 1.1 | MG/L |
| COPPER - TOTAL | 0.74 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.89 | MG/L |
| ZINC - TOTAL | 0.39 | MG/L |

SAMPLE #17
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/10/89

LABORATORY REPORT

PAGE 1

F089 8438758 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89221-F04409 WATER
DATE COLLECTED 08/08/89 DATE RECEIVED 08/09/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.55 | MG/L |
| COPPER - TOTAL | 0.45 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.38 | MG/L |
| ZINC - TOTAL | 0.35 | MG/L |

SAMPLE #18
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/16/89

LABORATORY REPORT

PAGE 1

F089 8438758 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89222-F04409 WATER/8-9-89
DATE COLLECTED 08/09/89 DATE RECEIVED 08/10/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.40 | MG/L |
| COPPER - TOTAL | 0.34 | MG/L |
| LEAD - TOTAL | 0.2 | MG/L |
| NICKEL - TOTAL | 0.34 | MG/L |
| ZINC - TOTAL | 0.16 | MG/L |

SAMPLE #19
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
! = REPRINT N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

P.2

AUG 15 1989 21:23 CBC



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

08/17/89

LABORATORY REPORT

PAGE 1

F089 8438938 W81

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

SAMPLE 89223-F04409 WATER
DATE COLLECTED 08/10/89 DATE RECEIVED 08/11/89

| TEST NAME | RESULT | UNITS |
|--------------------|--------|-------|
| CHROMIUM - TOTAL | 0.19 | MG/L |
| COPPER - TOTAL | 0.18 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.15 | MG/L |
| ZINC - TOTAL | 0.09 | MG/L |
| CHROMIUM - SOLUBLE | 0.17 | MG/L |
| COPPER - SOLUBLE | 0.19 | MG/L |

SAMPLES RUN TWICE DUE TO SOLUBLE RESULT EXCEEDING
TOTAL; APPARENT INTERFERENCES PRESENT.

| | | |
|------------------|------|------|
| LEAD - SOLUBLE | <0.1 | MG/L |
| NICKEL - SOLUBLE | 0.15 | MG/L |
| ZINC - SOLUBLE | 0.09 | MG/L |

SAMPLE #20
IN LOG BOOK

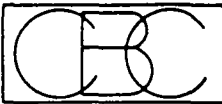
METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

080 12:12 PM AT 90H



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/04/89

LABORATORY REPORT

PAGE 1


F089 8439269 W70

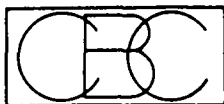
FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89233-F04409 WATER
DATE COLLECTED 08/17/89 DATE RECEIVED 08/21/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.11 | MG/L |
| COPPER - TOTAL | 0.44 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.18 | MG/L |
| ZINC - TOTAL | 0.14 | MG/L |

SAMPLE #21
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. APPROVAL 
N/T = NOT TESTED N/A = NOT APPLICABLE



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/07/89

LABORATORY REPORT

PAGE 1


F089 8439381 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89235-F04409 WATER
DATE COLLECTED 08/21/89 DATE RECEIVED 08/23/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.04 | MG/L |
| COPPER - TOTAL | 0.14 | MG/L |
| LEAD - TOTAL | 0.1 | MG/L |
| NICKEL - TOTAL | 0.29 | MG/L |
| ZINC - TOTAL | 0.22 | MG/L |

SAMPLE # 22
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: 8/21/89

DATE RECEIVED: 8/22/89

GNL SAMPLE CODE: 3627F-39

REPORT NUMBER: 5541

REPORT DATE: 9/5/89

ANALYSIS

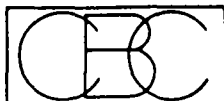
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.052 | 4. Nickel | 0.406 |
| 2. Copper | 0.130 | 5. Zinc | 0.082 |
| 3. Lead | <0.010 | | |

SAMPLE #22
IN LOG BOOK.

LAB DIRECTOR

Dr. John L. Roberts
JK



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/07/89

LABORATORY REPORT

PAGE 1

F089 8439441 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

SAMPLE 89236-F04409 WATER
DATE COLLECTED 08/22/89 DATE RECEIVED 08/24/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.06 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.23 | MG/L |
| ZINC - TOTAL | 0.13 | MG/L |

SAMPLE # 23
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: 8/22/89

DATE RECEIVED: 8/23/89

GML SAMPLE CODE: 3639F-89

REPORT NUMBER: 5542

REPORT DATE: 9/5/89

ANALYSIS

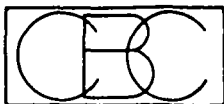
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.171 | 4. Nickel | 0.180 |
| 2. Copper | 0.120 | 5. Zinc | 0.045 |
| 3. Lead | <0.010 | | |

SAMPLE #23
IN LOG BOOK

LAB DIRECTOR

Dr. John L. Roberts, Ph.D.



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/13/89

LABORATORY REPORT

PAGE 1


F089 8439550 W61

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89240-F04409 WATER/8-23-89
DATE COLLECTED 08/23/89 DATE RECEIVED 08/28/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.10 | MG/L |
| COPPER - TOTAL | 0.38 | MG/L |
| LEAD - TOTAL | 0.10 | MG/L |
| NICKEL - TOTAL | 0.71 | MG/L |
| ZINC - TOTAL | 0.37 | MG/L |

SAMPLE #24
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: 8/23/89

DATE RECEIVED: 8/24/89

GML SAMPLE CODE: 3653F-89

REPORT NUMBER: 5543

REPORT DATE: 9/5/89

ANALYSIS

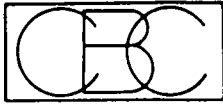
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.120 | 4. Nickel | 0.900 |
| 2. Copper | 0.387 | 5. Zinc | 0.423 |
| 3. Lead | <0.010 | | |

SAMPLE #24
IN LOG BOOK

LAB DIRECTOR

Dr. John A. Roberts, Ph.D.
JK



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/13/89

LABORATORY REPORT

PAGE 1

F089 8439550 W61

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89240-F04619 WATER/8-24-89
DATE COLLECTED 08/24/89 DATE RECEIVED 08/28/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.28 | MG/L |
| COPPER - TOTAL | 0.33 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.19 | MG/L |
| ZINC - TOTAL | 0.26 | MG/L |

SAMPLE # 25

IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: 8/24/89

DATE RECEIVED: 8/25/89

GML SAMPLE CODE: 3696F-39

REPORT NUMBER: 5547

REPORT DATE: 9/5/89

ANALYSIS

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|-------|-----------|--------|
| 1. Chromium | 0.328 | 4. Nickel | 0.004 |
| 2. Copper | 0.297 | 5. Zinc | 5.02 ? |
| 3. Lead | 0.03 | | |

SAMPLE #25
IN LOG BOOK.

LAB DIRECTOR

Dr. John L. Roberts, Ph.D.

JK

BOARD OF WATER COMMISSIONERS

Paul J. Raddatz, Chairman
Charles W. Bradley
Ricky A. Hermann
George R. Fitchett
Emanuel E. Rizzo
Michael J. Serpe



Water Production Division
100 - 51st Place — 656-8146
Water Distribution Division
3617 - 65th Street — 656-8148
Water Pollution Control Division
7834 - 3rd Avenue — 654-4333
Administrative Division
812 - 56th Street
Kenosha, Wisconsin 53140
Phone 414-656-8140

O. Fred Nelson, P.E., General Manager

September 25, 1989

Frost Company
6523 - 14th Avenue
Kenosha, WI 53140

Attn: Mr. Morris LaBelle

Re: Compliance Monitoring Schedule

Dear Mr. LaBelle:

The wastewater samples from your facility that the Water Utility analyzed in late August and early September were all within compliance. Chromium, zinc, and copper are no longer problems for your pretreatment system. I am very pleased that Frost has made it to this point. The cooperation that Frost gave was pleasingly helpful.

Sampling at the bi-weekly rate has finally ended. There is no need for the Utility to continue sampling Frost's wastewater discharge so frequently. All of the limits in your Wastewater Discharge Permit are currently being met. Therefore, the Water Utility considers Frost to be in compliance with your discharge permit. The Kenosha Water Utility will monitor Frost's effluent sometime in October. If continued compliance is the result of the October monitoring, Frost will be monitored at the normal quarterly rate in 1990.

Congratulations on your success in the struggle to obtain compliance. It was not a smooth road, but the end wastewater product was worth the trouble. Frost should be proud of the job that was done on this project. If it were not for system problems, Frost would have been in compliance by June or early July. Should any questions arise, do not hesitate to call me. My phone number is 654-4333.

Sincerely,

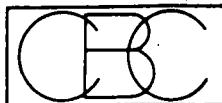
A handwritten signature in cursive script that reads "Bruce Rabe".

Bruce G. Rabe
Pretreatment Specialist

cc: O. Fred Nelson - KWU

BGR:jz

"Providing and Protecting Kenosha's Greatest Natural Resource"



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/19/89

LABORATORY REPORT

PAGE 1

F089 8440194 W61

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89256-F04409 WASTEWATER/9-11-89
DATE COLLECTED 09/11/89 DATE RECEIVED 09/13/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.10 | MG/L |
| COPPER - TOTAL | 0.14 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.13 | MG/L |

SAMPLE # 26
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. *OM*
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 09/12/89

GML SAMPLE CODE: 3969F-89

REPORT NUMBER: 5621

REPORT DATE: 09/21/89

ANALYSIS

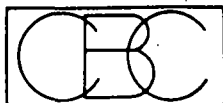
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.030 | 4. Nickel | 0.244 |
| 2. Copper | 0.137 | 5. Zinc | 0.021 |
| 3. Lead | <0.010 | | |

SAMPLE #26
IN LOG BOOK

LAB DIRECTOR

Dr. John S. Roberts, Ph.D.



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/20/89

LABORATORY REPORT

PAGE 1


F089 8440278 W81

FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89257-F04409 WASTEWATER /9-12
DATE COLLECTED 09/12/89 DATE RECEIVED 09/14/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.15 | MG/L |
| COPPER - TOTAL | 0.17 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.14 | MG/L |
| ZINC - TOTAL | 0.05 | MG/L |

SAMPLE #27
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 09/13/89

GML SAMPLE CODE: 3988F-89

REPORT NUMBER: 5622

REPORT DATE: 09/21/89

ANALYSIS

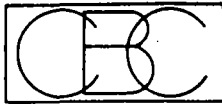
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.161 | 4. Nickel | 0.039 |
| 2. Copper | 0.173 | 5. Zinc | 0.062 |
| 3. Lead | <0.010 | | |

SAMPLE #27
IN LOG BOOK

LAB DIRECTOR

Dr. John S. Roberts, Ph.D.



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/22/89

LABORATORY REPORT

PAGE 1


F089 8440407 W61

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

SAMPLE 89261-F04409 WASTEWATER/9-14-89
DATE COLLECTED 09/14/89 DATE RECEIVED 09/18/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.11 | MG/L |
| COPPER - TOTAL | 0.15 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.10 | MG/L |

SAMPLE #28
IN LOG BOOK.

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

FAX #414-764-0486

WI DNR LAB CERTIFICATION #241283020

1-800-365-3840

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 09/14/89

GML SAMPLE CODE: 4031F-89

REPORT NUMBER: 5620

REPORT DATE: 09/21/89

ANALYSIS

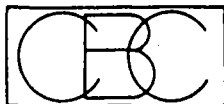
TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.125 | 4. Nickel | 0.269 |
| 2. Copper | 0.249 | 5. Zinc | 0.121 |
| 3. Lead | <0.010 | | |

SAMPLE #28
IN LOG BOOK.

LAB DIRECTOR

Dr. John L. Roberts, Ph.D.



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

09/21/89

LABORATORY REPORT

PAGE 1


F089 8440344 W70

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 89258-F04409 WATER
DATE COLLECTED 09/15/89 DATE RECEIVED 09/15/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.12 | MG/L |
| COPPER - TOTAL | 0.20 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.09 | MG/L |
| ZINC - TOTAL | 0.14 | MG/L |

SAMPLE #29
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED 
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-284-3823

gabriel - midwest, ltd.

Environmental & Technical Services

TO: Mr. Brian Zakowski, Frost Co., Kenosha, WI

SUBJECT: Analysis of Wastewater Sample

WI CERTIFICATION ID #: 252087440

P.O. #: Verbal/Zakowski

SAMPLE DATE: NOT GIVEN

DATE RECEIVED: 09/15/89

GML SAMPLE CODE: 4082F-89

REPORT NUMBER: 5639

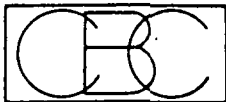
REPORT DATE: 09/26/89

ANALYSIS

TOTAL METALS [UNITS = ppm]

| | | | |
|-------------|--------|-----------|-------|
| 1. Chromium | 0.184 | 4. Nickel | 0.143 |
| 2. Copper | 0.139 | 5. Zinc | 0.004 |
| 3. Lead | <0.010 | | |

SAMPLE #29
IN LOG BOOK



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

12/12/89

LABORATORY REPORT

PAGE 1


F089 8442379⁰ W81

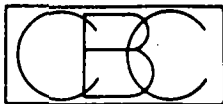
FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAWKA

SAMPLE 89311-F04409 WASTEWATER /11-6-89
DATE COLLECTED 11/06/89 DATE RECEIVED 11/07/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.14 | MG/L |
| COPPER - TOTAL | 0.42 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.37 | MG/L |
| ZINC - TOTAL | 0.27 | MG/L |

SAMPLE #30
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

12/11/89

LABORATORY REPORT

PAGE 1

F089 8442440 W31

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAWKA

SAMPLE 89312-F04409 WASTEWATER/11/7/89
DATE COLLECTED 11/07/89 DATE RECEIVED 11/08/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.24 | MG/L |
| COPPER - TOTAL | 0.44 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.48 | MG/L |
| ZINC - TOTAL | 0.12 | MG/L |

SAMPLE # 31
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.

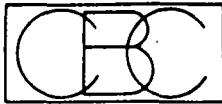
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.

PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30 DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.

N/T = NOT TESTED

N/A = NOT APPLICABLE

APPROVAL 



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

12/11/89

LABORATORY REPORT

PAGE 1


F089 8442505 W70

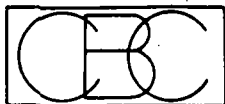
FROST CO
6523 14TH AVE.
KENOSHA ,WI 53141
ATTN: SEBASTIAN KAWKA

SAMPLE 89313-F04409 WASTEWATER/11-8-89
DATE COLLECTED 11/08/89 DATE RECEIVED 11/09/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.18 | MG/L |
| COPPER - TOTAL | 0.29 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.17 | MG/L |
| ZINC - TOTAL | 0.07 | MG/L |

SAMPLE #32
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED. 
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL



ENVIRONMENTAL SERVICES

CHEM-BIO CORPORATION

140 EAST RYAN ROAD OAK CREEK, WI 53154-4599 (414) 764-7005

12/08/89

LABORATORY REPORT

PAGE 1

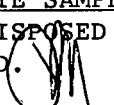
F089 8442575 W31

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: SEBASTIAN KAWKA

SAMPLE 89314-F04409 WASTEWATER/11/9/89
DATE COLLECTED 11/09/89 DATE RECEIVED 11/10/89

| TEST NAME | RESULT | UNITS |
|------------------|--------|-------|
| CHROMIUM - TOTAL | 0.32 | MG/L |
| COPPER - TOTAL | 0.37 | MG/L |
| LEAD - TOTAL | <0.1 | MG/L |
| NICKEL - TOTAL | 0.31 | MG/L |
| ZINC - TOTAL | 0.26 | MG/L |

SAMPLE # 33
IN LOG BOOK

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS, 1982, EPA SW846.
PLEASE CONTACT OUR CLIENT SERVICE DEPARTMENT WITH QUESTIONS. REMAINING WASTE SAMPLES WILL
BE RETURNED 6 WEEKS FROM THE RECEIVING DATE OF SAMPLE. WATER SAMPLES ARE DISPOSED OF 30
DAYS AFTER RECEIPT. WI DNR LAB CERTIFICATION #241283020/A.I.H.A. ACCREDITED.
N/T = NOT TESTED N/A = NOT APPLICABLE APPROVAL 

31. OTHER HAZARDOUS CONSTITUENTS Indicate if the waste contains any of the following.

[illegible]

| 25. COMPLETE ONLY FOR WASTES INTENDED FOR FUELS OR INCINERATION | 26. RECLAMATION, FUELS or INCINERATION PARAMETERS (Provide if information is available) |
|--|--|
| TOTAL | RANGE |
| Beryllium as Be _____ ppm | A. Heat Value (Btu/lb): _____ - _____ |
| Potassium as K _____ ppm | B. Water: _____ |
| Sodium as Na _____ ppm | C. Viscosity (cps): _____ @ _____ F _ 100 F _ 150 F |
| Bromine as Br _____ % | D. Ash: _____ % |
| Chlorine as Cl _____ % | E. Settleable solids: _____ % |
| Fluorine as F _____ % | F. Vapor Pressure @ STP (mm/Hg): _____ |
| Sulfur as S _____ % | G. Is this waste a pumpable liquid? Yes _ No _ |
| | H. Can this waste be heated to improve flow? Yes _ No _ |
| | I. Is this waste soluble in water? Yes _ No _ |
| | J. Particle size: Will the solid portion of this waste pass through a 1/8 inch screen? Yes _ No _ |

27. TRANSPORTATION INFORMATION

A. Is this a DOT Hazardous Material? Yes ☒ No ☐B. Proper Shipping Name: RQ, HAZARDOUS WASTE, SOLID, N.O.S. (F006)C. DOT Regulations: North America Hazard Class: 15 ORM-E I.D. NA9189D. CERCLA Reportable Quantity (RQ) and units (Lb, Kg): 10 Lb

28. SPECIAL HANDLING INFORMATION

☐ Material Safety Data Sheets Attached

29. OTHER INFORMATION

WASTE IS NOT A DIOXIN OR SOLVENT WASTE (F020, F021, F022, F023, F026, F027, F028 OR F001. F002, F003,
F004, F005) AS DEFINED BY 40 CFR 261.31***** WASTE DOES NOT CONTAIN >1000ppm HOCs FROM APP. III
(40 CFR 268). THERE ARE NO FREE LIQUIDS AS BY PAINT FILTER TEST. NO OTHER CODES APPLY, LISTED OR
CHARACTERISTIC, INCLUDING HERBICIDES, PESTICIDES, TC CONSTITUENTS, VIA DERIVED-FROM, MIX RULE OR BY
ANY OTHER MEANS ** ABOVE INFORMATION SOURCE IS: GENERATOR KNOWLEDGE

30. CHEMICAL WASTE MANAGEMENT CERTIFICATION

Chemical Waste Management, Inc. has all the necessary permits and licenses for the waste that has been characterized and identified by this approved profile.

18. This is a Nonwastewater.

19. If this waste is subject to any California list restrictions enter the letter from below (either A, B.1 or B.2) next to each restriction that is applicable:

☐ HOCs, ☐ PCBs, ☐ Acid, ☐ Metals, ☐ Cyanides

20. Identify ALL Characteristic and Listed USEPA hazardous waste numbers that apply (as defined by 40 CFR 261). For each waste number, identify the subcategory (as applicable, check none, or write in the description from 40 CFR 268.41, 268.42, and 268.43).

| REF # | A. US EPA HAZARDOUS WASTE CODE(S) | B. SUBCATEGORY Enter the subcategory description. If not applicable, simply check none | | C. APPLICABLE TREATMENT STANDARDS | | | D. HOW MUST THE WASTE BE MANAGED? Enter letter from below |
|-------|-----------------------------------|--|------|---|-----------|--|--|
| | | | | PERFORMANCE-BASED: Check as applicable | | SPECIFIED TECHNOLOGY: If applicable enter the 40 CFR 268.42 table 1 treatment code(s) | |
| | | DESCRIPTION | NONE | 268.41(a) | 268.43(a) | 268.42 | |
| 1 | F006 | | X | X | | | A |
| 2 | F006 | | X | | X | | D |
| 3 | | | | | | | |
| 4 | | | | | | | |
| 5 | | | | | | | |
| 6 | | | | | | | |
| 7 | | | | | | | |
| 8 | | | | | | | |
| 9 | | | | | | | |
| 10 | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Management under the land disposal restrictions:

A. RESTRICTED WASTE REQUIRES TREATMENT

B.1 RESTRICTED WASTE TREATED TO PERFORMANCE STANDARDS

B.2 RESTRICTED WASTES FOR WHICH THE TREATMENT STANDARD IS EXPRESSED AS A SPECIFIED TECHNOLOGY (AND THE WASTE HAS BEEN TREATED BY THAT TECHNOLOGY)

B.3 GOOD FAITH ANALYTICAL CERTIFICATION FOR INCINERATED ORGANICS

C. RESTRICTED WASTE SUBJECT TO A VARIANCE

D. RESTRICTED WASTE CAN BE LAND DISPOSED WITHOUT FURTHER TREATMENT

E. NOT CURRENTLY SUBJECT TO LAND DISPOSAL RESTRICTIONS

21. Is this waste a soil and/or debris? No: ☒ Yes, Soil: ☐ Yes, Debris: ☐ Yes, Both: ☐

22. Specific Gravity Range: 1.000 to 1.400

23. Indicate the range of each:

Units

Cyanides: < 0.5 to PPM Type (free, total, amenable, etc.) TOTAL

Cyanides: Not Applicable to Type (free, total, amenable, etc.)

Sulfides: < 3 to PPM Type TOTAL

Optional

Phenolics: < 10 to PPM

24. Identify the waste color GREEN, DOT physical state Solid,
and physical appearance SOLID SLUDGE

WASTE PROFILE

Profile #

(_) Check here if this is a Recertification

LOCATION OF ORIGINAL CWM Midwest Region

GENERAL INFORMATION

1. Generator Name: FROST COMPANY Generator USEPA ID: WID006090286

2. Generator Address: 6523 14TH AVENUE Billing Address: _____
(X) Same

KENOSHA WI 53143-4908

3. Technical Contact/Phone: KEN GRETZINGER 414/658-4301

4. Alternate Billing Contact/Phone: MORREY LABELLE 414/658-4301 TURA RUSSELL 414/658-4301

PROPERTIES AND COMPOSITION

5. Process Generating Waste: FILTER PRESS

6. Waste Name: WASTEWATER TREATMENT SLUDGE

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): F006

State Waste Codes: Same as USEPA Codes

8. Physical State @ 70F: A. Solid(X) Liquid() Both() Gas() B. Single Layer (X) Multilayer () C. Free liq. range 0 to 0%

9A. pH: Range 5.0 to 10.0 or Not applicable () B. Strong Odor ();describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|---|------------------------|------------------|
| <u>METAL HYDROXIDE</u> | <u>15</u> to <u>60</u> | <u>%</u> |
| <u>PAPER MEDIA</u> | <u>30</u> to <u>70</u> | <u>%</u> |
| <u>MOISTURE</u> | <u>15</u> to <u>60</u> | <u>%</u> |
| <u>METALS</u> | <u>0</u> to <u>5</u> | <u>%</u> |
| | to | |
| | to | |
| <u>TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%):</u> | <u>195.000000</u> | |

12. OTHER: PCBs if yes, concentration _____ ppm, PCBs regulated by 40 CFR 761 (). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid (X) Bulk Liquid () Drum () Type/Size: BULK Other LUGGER

15. ANTICIPATED ANNUAL VOLUME: 48 Units: CUBIC YARDS Shipping Frequency: QUARTERLY

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): LUGGER BOX Sample Tracking Number: 1008856

Date Sampled: 6/02/92 Sampler's Name/Company: KEN GRETZINGER FROST

16b. Generator's Agent Supervising Sampling: _____ 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature

Name and Title

Date

NORTHERN REGION ANALYTICAL LABORATORY
SEMIVOLATILE ORGANICS

Technical Center Sample ID number: 200069504

Correction values from Sample ID: 200069376

Matrix: OTHER SOLID

TCLP MATRIX CORRECTED RESULTS

| TEST | REGULATORY LIMITS (mg/l) | MATRIX SPIKE % RECOVERY | CORRECTED PQL (mg/l) | CORRECTED RESULT (mg/l) |
|--------------------------|--------------------------------|----------------------------|----------------------------|-------------------------------|
| 1,4-Dichlorobenzene | 7.5 | 61.47 | 3.25 | < PQL |
| 2,4-Dinitrotoluene | 0.13 | 66.99 | 0.065 | < PQL |
| 2-Methylphenol | 200 | 36.45 | 100 | < PQL |
| 3 & 4-Methylphenol | 200 | 26.83 | 100 | < PQL |
| Hexachlorobenzene | 0.13 | 77.23 | 0.065 | < PQL |
| Hexachloro-1,3-Butadiene | 0.5 | 50.46 | 0.25 | < PQL |
| Hexachloroethane | 3 | 61.17 | 1.50 | < PQL |
| Nitrobenzene | 2 | 43.81 | 1.00 | < PQL |
| Pentachlorophenol | 100 | 46.08 | 50.0 | < PQL |
| Pyridine | 5 | 32.69 | 2.50 | < PQL |
| 2,4,5-Trichlorophenol | 400 | 70.73 | 200 | < PQL |
| 2,4,6-Trichlorophenol | 2 | 50.00 | 1.00 | < PQL |

Signature: Reviewed: Date: 9/23/93Date: 9/23/93

NORTHERN REGION LABORATORY
 "RIVERDALE"
 VOLATILE ORGANICS

Technical Center Sample ID Number: 10010104

Collection Dates from Sample ID Number: 20000822

Matrix: OTHER

THE FOLLOWING ANALYSIS MATRIX CORRECTED RESULTS FOR "D" CODE COMPOUNDS

| TEST | REGULATORY LIMITS mg/L | MATRIX SPIKE % RECOVERY | CORRECTED PQL mg/L | CORRECTED RESULT mg/L |
|----------------------|------------------------------|-------------------------------|--------------------------|-----------------------------|
| benzene | 0.5 | 98.00 | 0.250 | < PQL |
| Methylecyclohexane | 200 | 98.00 | 100 | < PQL |
| Carbon tetrachloride | 0.5 | 100.00 | 0.250 | < PQL |
| Chlorobenzene | 100 | 100.00 | 50.0 | < PQL |
| Chloroform | 6 | 108.00 | 5.00 | < PQL |
| 1,2-Dichloroethane | 0.5 | 108.00 | 0.250 | < PQL |
| 1,1-Dichloroethene | 0.7 | 112.00 | 0.350 | < PQL |
| tetrachloroethylene | 0.7 | 108.00 | 0.350 | < PQL |
| trichloroethylene | 0.5 | 99.00 | 0.250 | < PQL |
| Vinyl Chloride | 0.2 | 106.00 | 0.100 | < PQL |

Signature: 12

Reviewed: [Signature]

Date: 9/22/93

Date: 9/23/93

The above results are matrix spike recovery corrected results as specified in the June 29, 1990 TC Final rule.



Chemical Waste Management, Inc.

Controlled Waste Division
W124 N9451 Boundary Road
Menomonee Falls, Wisconsin 53051
414/255-6655

PROFILE # J89490

COMPANY NAME Frost Co.

AUTHORIZED GENERATOR SIGNATURE

Christopher M. LaBelle

NAME (PRINT) Christopher LaBelle

HAZARDOUS WASTE STABILIZATION CONSTITUENTS (Completed based on generator knowledge or analytical) FOR HAZARDOUS WASTE STABILIZATION ONLY

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|--|----|-----|----------------------|
| Acetic anhydride(c) | X | | |
| Aluminum soluble salts | X | | |
| Borates, tetra, sodium salts, decahydrate | X | | |
| Borates, tetra, sodium salts, pentahydrate | X | | |
| Calcium cyanamide | X | | |
| Calcium hydroxide | X | | |
| Calcium oxide | X | | |
| Carbon Black | X | | |
| Carbon tetrachloride | X | | |
| Chromium (II) cmpds, as Cr | X | | |
| Chromium (metal) | X | X | 5.2 |
| Cobalt, as Co, metal, dust | X | | |
| Copper dust & mist, as Cu | X | | |
| Cyanamide | X | | |
| Dinitrotoluene | X | | |
| Ethyl silicate | X | | |
| Hydrogen bromide(c) | X | | |
| Hydrogen peroxide | X | | |
| Iron salt, soluble, as Fe | X | | |
| Manganese tetroxide | X | | |
| Molybdenum, as Mo, soluble cmpds | X | | |
| Oxalic acid | X | | |
| Platinum metal | X | | |
| Platinum soluble salts, as Pt | X | | |
| Potassium hydroxide(c) | X | | |
| Sodium bisulfite | X | | |
| Stoddard Solvent (mineral spirits) | X | | |
| Thallium soluble cmpds, as Tl | X | | |
| Tin (metal) | X | | |
| Tin oxide & inorganic cmpds, except SnH ₄ , as Sn | X | | |
| Tungsten, as W, insoluble cmpds | X | | |
| Tungsten-as W, soluble cmpds | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acetaldehyde | X | | |
| Acetic acid | X | | |
| Acrylic acid | X | | |
| Aluminum Alkyls | X | | |
| Ammonia | X | | |
| Aniline | X | | |
| Antimony & compounds, as Sb | X | | |
| Barium sol cpds, as Ba | X | | |
| Benzyl chloride | X | | |
| Butyl acrylate | X | | |
| Butylamine (c) | X | | |
| Carbon disulfide | X | | |
| Chlorobenzene (monochlorobenzene) | X | | |
| Chromium (III) cpds as Cr | X | | |
| Chromium (VI) cpds as Cr water sol. | X | | |
| Cresol, all isomers | X | | |
| Cyanides (inorganics) as CN | X | | |
| Cyclohexanone | X | | |
| Cyclohexylamine | X | | |
| 1,1-Dichloroethane | X | | |
| 1,2-Dichloroethylene | X | | |
| Diethanolamine | X | | |
| Diethyl phthalate | X | | |
| Diethylamine | X | | |
| Dimethylamine | X | | |
| Dimethylaniline (N,N-Dimethylaniline) | X | | |
| 2-Ethoxyethanol | X | | |
| Ethyl acrylate | X | | |
| Ethyl benzene | X | | |
| Ethylene glycol vapor (c) | X | | |
| Ethylenediamine | X | | |
| Fluorides (inorganics) as F | X | | |
| Furfural | X | | |
| Hydrogen chloride (c) | X | | |
| Hydrogen cyanide (c) | X | | |
| Isobutyl alcohol | X | | |
| Isophorone (c) | X | | |
| Manganese, as Mn dust and cpds (c) | X | | |
| Mercury alkyl cpds | X | | |
| Mercury all forms except alkyl, vapor | X | | |
| Mercury (e.alkyl) Aryl & inorganic cpds | X | | |
| 2-Methoxyethanol | X | | |
| Methyl isobutyl ketone | X | | |
| Methyl n-butyl ketone | X | | |
| Methylamine | X | | |
| Methylene chloride | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|----------------------------|----|-----|----------------------|
| n-Butyl alcohol (c) | X | | |
| n-Hexane | X | | |
| Naphthalene | X | | |
| Nitric acid | X | | |
| Nitrobenzene | X | | |
| o-Dichlorobenzene (c) | X | | |
| Pentachlorophenol | X | | |
| Perchloroethylene | X | | |
| Phenol | X | | |
| Phosphoric acid | X | | |
| Propargyl alcohol | X | | |
| Pyridine | X | | |
| Selenium cpds, as Se | X | | |
| Sulfuric acid | X | | |
| Tetrahydrofuran | X | | |
| Tin organic cpds, as Sn | X | | |
| Toluene (toluol) | X | | |
| 1,2,4-Trichlorobenzene (c) | X | | |
| 1,1,2-Trichloroethane | X | | |
| 1,1,2,2-Trichloroethane | X | | |
| Trichloroethylene | X | | |
| Xylene | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acrylonitrile | X | | |
| Arsenic and inorganic cpds, as As | X | | |
| Benzene | X | | |
| Benzidine | X | | |
| Beryllium and beryllium cpds, as Be | X | | |
| Cadmium and cadmium cpds, as Cd | X | | |
| Carbon tetrachloride | X | | |
| Chloroform | X | | |
| Chromium (VI), water insoluble cpds, as Cr | X | | |
| Di (2-ethylhexyl) phthalate | X | | |
| Formaldehyde | X | | |
| Hexachlorobenzene (HCB) | X | | |
| Lindane and other hexachlorocyclohexane isomers | X | | |
| 2-Naphthylamine | X | | |
| Nickel cpds other than nickel subsulfide, as Ni | | X | 30 |
| Nickel subsulfide | X | | |
| o-Toluidine | X | | |
| Vinyl chloride | X | | |



Chemical Waste Management, Inc.

Midwest Region - Sales
2000 South Batavia Avenue
Geneva, Illinois 60134
708/513-4530
1-800/843-3604

March 17, 1993

Mr. Ken Gretzinger
Frost Company
6523 14th Avenue
Kenosha, WI 53143

Dear Mr. Ken Gretzinger:

Please accept the following change(s) to the Agreement entered into on by and between **Chemical Waste Management, Inc.** (hereinafter "CWM") and Frost Company (hereinafter "Customer"). The following shall be amended.

PROFILE NUMBER/ DISPOSAL FACILITY: J89490 / Ft. Wayne, IN 46806

Additional Transportation pricing will be:

\$1,235.00 per shipment (1 - 25 cubic yard roll-off or 2 - 12 cubic yard luggers).
\$ 999.00 per shipment (1 - 12 cubic yard lugger box)

All other terms and conditions of the Agreement shall remain in full force and effect.

If there are any questions concerning these changes, please contact me at 708/513-4579. Thank you for this opportunity to be of service.

Chuck Zaher
Customer Service Representative

M1012592S - Alsip, IL 60658 -

Sommer - Frey Laboratories, Inc.

Serving Industry, Business & Agriculture

6125 WEST NATIONAL AVENUE • P.O. BOX 14513 • MILWAUKEE, WISCONSIN 53214 • (414) 475-6700

Frost Co.
6523 - 14th Avenue
Kenosha, Wisconsin 53141

Date: 6-17-85
Project No.: 4016
P.O. No.: 0300

Attn: Chris Kalvonjian

WASTE MATERIAL PROFILE ANALYSIS

Name of Waste: Foundry Sand

Physical Characteristics of Waste

| | | |
|-----------------------|----------------------|------------|
| Color | <u>Black</u> | |
| Odor | <u>Metallic</u> | |
| Physical State at 70F | <u>Powder</u> | |
| Layers | <u>Single phased</u> | |
| Free Liquids | <u>None</u> | % volume |
| pH | <u>N.A.</u> | |
| Specific Gravity | <u>1.52</u> | |
| Flash Point | <u>over 210F</u> | closed cup |
| | | open cup |

Chemical Composition (percent)

| | |
|---------------------------|--------------|
| <u>Silicon Dioxide</u> | <u>95-97</u> |
| <u>Resin</u> | <u>3- 4</u> |
| <u>Copper & Salts</u> | <u>0-2</u> |
| <u>Zinc and Salts</u> | <u>0-1</u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |
| <u> </u> | <u> </u> |

| <u>Metals</u> | <u>Total (ppm)</u> | <u>EPA Extraction Procedure</u> <u>(mg/l)</u> |
|-----------------------------|-----------------------------|--|
| Arsenic (As) | <u>0.60</u> | <u>-0.05</u> |
| Barium (Ba) | <u>2.5</u> | <u>-0.2</u> |
| Cadmium (Cd) | <u>1.96</u> | <u>0.10</u> |
| Chromium (Cr) | <u>8.1</u> | <u>0.02</u> |
| Mercury (Hg) | <u>0.01</u> | <u>-0.001</u> |
| Lead (Pb) | <u>1,460</u> | <u>10.5</u> |
| Chromium Hex (Cr+6) | <u>N.A.</u> | <u>0.02</u> |
| Selenium (Se) | <u>-0.1</u> | <u>-0.05</u> |
| Silver (Ag) | <u>3.7</u> | <u>-0.05</u> |
| Copper (Cu) | <u>10,910</u> | <u>6.1</u> |
| Nickel (Ni) | <u>108.</u> | <u>-0.5</u> |
| Zinc (Zn) | <u>7,960</u> | <u>65.4</u> |
| Thallium (Tl) | <u>0.3</u> | <u>-0.02</u> |
| <u> </u> | <u> </u> | <u> </u> |
| <u> </u> | <u> </u> | <u> </u> |
| <u> </u> | <u> </u> | <u> </u> |

✓ 5.0 max. limit

Other Components - Total (ppm)

| | |
|-----------|-------------|
| Cyanides | <u>0.2</u> |
| Sulfides | <u>1.1</u> |
| PCB's | <u>N.A.</u> |
| Phenolics | <u>100.</u> |


Other Characteristics

| | |
|-------------------------------------|------|
| Total Solids, % wt. | 99.5 |
| Reactivity - air, water, acid, base | None |

Method reference: Test Methods for Evaluating Solid Waste, US EPA;
1980.

Results preceded by a minus sign indicate concentrations less than the detection limit of the analysis.

We recommend that a copy of this analysis accompany any forms submitted to government or private agencies on which this data is used.


Gary G. Geipel
Senior Analyst



Chemical Waste Management, Inc.

Controlled Waste Division
W124 N9451 Boundary Road
Menomonee Falls, Wisconsin 53051
414/255-8655

PROFILE # AF 8285

COMPANY NAME Frost Co.

AUTHORIZED GENERATOR SIGNATURE

Chris LaBelle

NAME (PRINT) Chris LaBelle

HAZARDOUS WASTE STABILIZATION CONSTITUENTS (Completed based on generator knowledge or analytical) FOR HAZARDOUS WASTE STABILIZATION ONLY

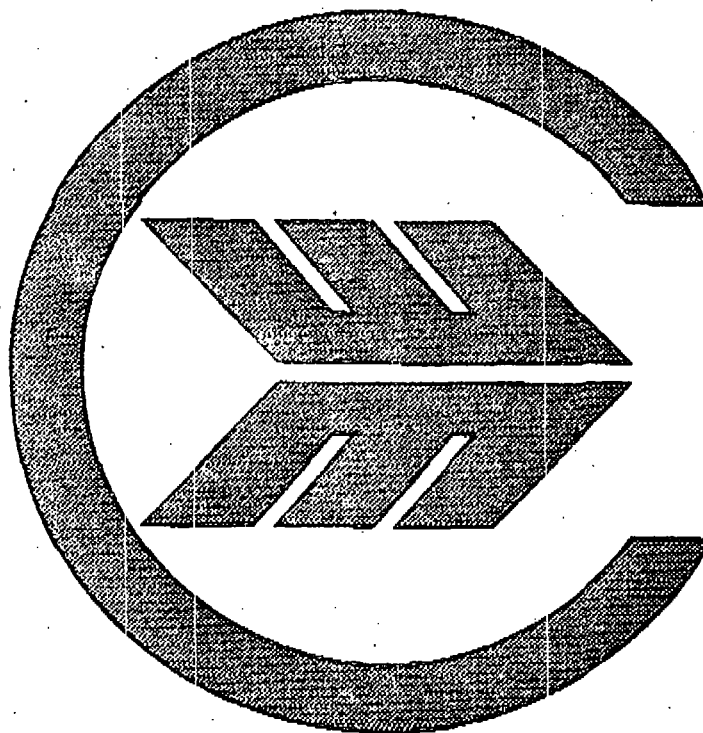
| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acetic anhydride(c) | X | | |
| Aluminum soluble salts | X | | |
| Borates, tetra, sodium salts, decahydrate | X | | |
| Borates, tetra, sodium salts, pentahydrate | X | | |
| Calcium cyanamide | X | | |
| Calcium hydroxide | X | | |
| Calcium oxide | X | | |
| Carbon Black | X | | |
| Carbon tetrachloride | X | | |
| Chromium (II) compds, as Cr | X | | |
| Chromium (metal) | | X | 687 |
| Cobalt, as Co, metal, dust | X | | |
| Copper dust & Mist, as Cu | | X | 387 |
| Cyanamide | X | | |
| Dinitrotoluene | X | | |
| Ethyl silicate | X | | |
| Hydrogen bromide(c) | X | | |
| Hydrogen peroxide | X | | |
| Iron salt, soluble, as Fe | X | | |
| Manganese tetroxide | X | | |
| Molybdenum, as Mo, soluble compds | X | | |
| Oxalic acid | X | | |
| Platinum metal | X | | |
| Platinum soluble salts, as Pt | X | | |
| Potassium hydroxide(c) | X | | |
| Sodium bisulfite | X | | |
| Stoddard Solvent (mineral spirits) | X | | |
| Thallium soluble compds, as Tl | X | | |
| Tin (metal) | X | | |
| Tin oxide & inorganic compds, except SnO ₂ , as Sn | X | | |
| Tungsten, as W, insoluble compds | X | | |
| Tungsten-as W, soluble compds | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acetaldehyde | X | | |
| Acetic acid | X | | |
| Acrylic acid | X | | |
| Aluminum Alkyls | X | | |
| Ammonia | X | | |
| Aniline | X | | |
| Antimony & compounds, as Sb | X | | |
| Barium sol cpds, as Ba | | X | 1.92 |
| Benzyl chloride | X | | |
| Butyl acrylate | X | | |
| Butylamine (c) | X | | |
| Carbon disulfide | | | |
| Chlorobenzene (monochlorobenzene) | X | | |
| Chromium (III) cpds as Cr | | | |
| Chromium (VI) cpds as Cr water sol. | | | |
| Cresol, all isomers | X | | |
| Cyanides (inorganics) as CN | X | | |
| Cyclohexanone | X | | |
| Cyclohexylamine | X | | |
| 1,1-Dichloroethane | X | | |
| 1,2-Dichloroethylene | X | | |
| Diethanolamine | X | | |
| Diethyl phthalate | X | | |
| Diethylamine | X | | |
| Dimethylamine | X | | |
| Dimethylaniline (N,N-Dimethylaniline) | X | | |
| 2-Ethoxyethanol | X | | |
| Ethyl acrylate | X | | |
| Ethyl benzene | X | | |
| Ethylene glycol vapor (c) | X | | |
| Ethylenediamine | X | | |
| Fluorides (inorganics) as F | X | | |
| Furfural | X | | |
| Hydrogen chloride (c) | X | | |
| Hydrogen cyanide (c) | X | | |
| Isobutyl alcohol | X | | |
| Isophorone (c) | X | | |
| Manganese, as Mn dust and cpds (c) | X | | |
| Mercury alkyl cpds | | X | 4.002 |
| Mercury all forms except alkyl, vapor | X | | |
| Mercury (e.alkyl) Aryl & inorganic cpds | X | | |
| 2-Methoxyethanol | X | | |
| Methyl isobutyl ketone | X | | |
| Methyl n-butyl ketone | X | | |
| Methylamine | X | | |
| Methylene chloride | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|----------------------------|----|-----|----------------------|
| n-Butyl alcohol (c) | X | | |
| n-Hexane | X | | |
| Naphthalene | X | | |
| Nitric acid | X | | |
| Nitrobenzene | X | | |
| o-Dichlorobenzene (c) | X | | |
| Pentachlorophenol | X | | |
| Perchloroethylene | X | | |
| Phenol | X | | |
| Phosphoric acid | X | | |
| Propargyl alcohol | X | | |
| Pyridine | X | | |
| Selenium cmpds, as Se | | X | 4.23 |
| Sulfuric acid | X | | |
| Tetrahydrofuran | X | | |
| Tin organic cmpds, as Sn | X | | |
| Toluene (toluol) | X | | |
| 1,2,4 Trichlorobenzene (c) | X | | |
| 1,1,2-Trichloroethane | X | | |
| 1,1,2,2-Trichloroethane | X | | |
| Trichloroethylene | X | | |
| Xylene | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|--|----|-----|----------------------|
| Acrylonitrile | X | | |
| Arsenic and inorganic cmpds, as As | | X | 0.002 |
| Benzene | X | | |
| Benzidine | X | | |
| Beryllium and beryllium cmpds, as Be | X | | |
| Cadmium and cadmium cmpds, as Cd | | X | .01 |
| Carbon tetrachloride | X | | |
| Chloroform | X | | |
| Chromium (VI), water insoluble cmpds, as Cr | X | | |
| Di (2-ethylhexy) phthalate | X | | |
| Formaldehyde | X | | |
| Hexachlorobenzene (HCB) | X | | |
| Lindane and other hexachlorocyclohexane isomers | X | | |
| 2-Naphthylamine | X | | 5.63 |
| Nickel cmpds other than nickel subsulfide, as Ni | | X | |
| Nickel subsulfide | X | | |
| o-Toluidine | X | | |
| Vinyl chloride | X | | |

Northern Region Laboratory



Waste Analysis Report

Chemical Waste Management - Riverdale

| | |
|------------------------------|--------------|
| Sample Id: | 200069504 |
| Date Sampled: | 15-SEP-93 |
| Date Logged: | 17-SEP-93 |
| Waste Profile Number: | AF8285 |
| Source: | MRL |
| Generator Name: | FROST CO |
| Generator Location: | KENOSHA, WI |
| Waste Name: | BUFFING DIRT |
| Site Number: | |

10/12/93

16:44

708 841 2924

CHEM. WASTE MGT.

011

NORTHERN REGION LABORATORY - RIVERDALE

SPECTROSCOPY

SampleID:200069504

Correction Values from Sample ID: 1.)200069435
Matrix: solid 2.)

TC MATRIX CORRECTED RESULTS

| TEST | Correction Factors | RESULT (PPM) |
|----------|--------------------|--------------|
| Silver | 91.20 | 0.04 |
| Barium | 94.79 | 1.92 |
| Cadmium | 95.40 | 0.01 |
| Chromium | 85.21 | 6.87 |
| Copper | 98.48 | 387 |
| Nickel | 89.77 | 5.63 |
| Lead | 93.56 | 0.21 |
| Zinc | 90.68 | 276 |
| Mercury | 92.50 | <0.002 |
| Arsenic | 100.99 | <0.50 |
| Selenium | 106.74 | <0.23 |

Signature: Date: 9/24/93

The above results are matrix spike recovery corrected results as specified in the June 29, 1990 TC Final rule. The uncorrected results are provided on a separate report.

10/12/93

16:40

708 841 2824

CHEM. WASTE MGT.

001



Chemical Waste Management, Inc.

CWM - Riverdale
150 West 137th Street
Riverdale, Illinois 60627
708/841-8360

FAX(708)841-2824

DATE 10-12-93

TELECOPIER COVER LETTER

TO:

Chris LaBelle

FROM:

Darrell Scott

Approvals Support

SUBJECT:

Profile AF 8285

The following discrepancies have been noted and must be corrected prior to our qualifications of your waste stream.

All samples and/or paperwork discrepancies must be resolved within 5 days. Paperwork will be placed in inactive status for discrepancies not resolved within this time.

TOTAL NUMBER OF PAGES INCLUDING COVER 12

COMMENTS

Please review, complete, sign, and return the
accompanying form to me. Please provide total
values for Co, Cu, Ba, and Ni on the form. Multiply
the TCLP value by 20 to get a total value estimate.
Thanks!

IF YOU DO NOT RECEIVE ALL THE PAGES, PLEASE INFORM US IMMEDIATELY. IF ANY ASSISTANCE IS NECESSARY, MY PHONE NUMBER IS (708) 201-6318.

Sample Id: 200069504

Waste Profile No: AF8285

Lab Asystant No: 4418339

This Report is intended for the use and benefit of Waste Management and its companies.
No representation concerning significance of the reported data is made to any other person
or entity.

| FINGERPRINT | Result | Analysis Date |
|----------------------|-------------------------|---------------|
| Odor Incidental | NONE | 09/20/93 |
| Layering | SINGLE PHASE | 09/20/93 |
| Pct Free Liquids | 0 | 09/20/93 |
| L1: Color | GREEN,BROWN | 09/20/93 |
| L1: Physical State | SOLID | 09/20/93 |
| L1: Gen Description | CHUNKS | 09/20/93 |
| L1: H2O Solubility | PARTIALLY SOLUBLE | 09/20/93 |
| L1: Relative Density | HEAVIER | 09/20/93 |
| L1: H2O Reactivity | NONREACTIVE | 09/20/93 |
| L1: Temp Change | 0 DEG F | 09/20/93 |
| Cyanide Screen | < 5 PPM CYANTESMO PAPER | 09/20/93 |
| Sulfide Screen | < 3 PPM | 09/20/93 |
| Phenol Screen | < 10 PPM | 09/20/93 |
| pH | 5.0 | 09/20/93 |
| pH Meas. Method | PAPER | 09/20/93 |
| pH Method | 10% SOLUTION | 09/20/93 |
| Oxidizer Screen | NEGATIVE | 09/20/93 |
| Flam. Potential | NEGATIVE | 09/20/93 |
| Radiation Level | AT BACKGROUND | 09/20/93 |
| Paint Filter | PASS | 09/20/93 |
| Paint Filter Method | ACTUAL | 09/20/93 |

COMMENTS:

No FINGERPRINT Comments

| WET CHEMISTRY | Result | Unit | Analysis Date |
|--------------------------|--------|---------|---------------|
| Total Residue @ 105 C | 95.0 | percent | 09/21/93 |
| Ash Content, On Ignition | 62.0 | percent | 09/21/93 |
| Specific Gravity | 0.8 | | 09/20/93 |
| Chloride, As Cl (Total) | < 0.5 | percent | 09/22/93 |

COMMENTS:

No WET CHEMISTRY Comments

| SPECTROSCOPY | Result | Unit | Analysis Date |
|------------------------|--------------|------|---------------|
| Arsenic - TCLP | <0.50 | mg/L | 09/24/93 |
| Barium - TCLP | 1.82 | mg/L | 09/24/93 |
| Cadmium - TCLP | 0.01 | mg/L | 09/24/93 |
| Chromium - TCLP | 5.85 | mg/L | 09/24/93 |
| Copper - TCLP | 381 | mg/L | 09/24/93 |
| Lead - TCLP | 0.20 | mg/L | 09/24/93 |
| Mercury - TCLP | <0.002 | mg/L | 09/22/93 |
| Nickel - TCLP | 5.05 | mg/L | 09/24/93 |
| Selenium - TCLP | <0.25 | mg/L | 09/24/93 |
| Silver - TCLP | 0.04 | mg/L | 09/24/93 |
| Zinc - TCLP | 250 | mg/L | 09/24/93 |
| Start Date/Time - TCLP | 9-20-93/5PM | | 09/21/93 |
| Stop Date/Time - TCLP | 9-21-93/11AM | | 09/21/93 |

Sample Id: 200069504

Waste Profile No: AF8285

Lab Asystant No: 4418339

This Report is intended for the use and benefit of Waste Management and its companies.
No representation concerning significance of the reported data is made to any other person
or entity.

**SPECTROSCOPY
(continued):****Result****Unit****Analysis Date****COMMENTS:**

No SPECTROSCOPY Comments

SOLID PCBS - LIMIT**Result****PQL****Unit****Analysis Date**

Total Arochlors is

< 5

ppm

09/21/93

COMMENTS:

No SOLID PCBS - LIMIT Comments

TC SEMI**Result****PQL****Unit****Analysis Date**

O-Cresol

BQL

100

mg/L

09/22/93

M-Cresol + P-Cresol

BQL

100

mg/L

09/22/93

1,4-Dichlorobenzene

BQL

3.25

mg/L

09/22/93

2,4-Dinitrotoluene

BQL

0.065

mg/L

09/22/93

Hexachlorobenzene

BQL

0.065

mg/L

09/22/93

Hexachloro-1,3-Butadiene

BQL

0.25

mg/L

09/22/93

Hexachloroethane

BQL

1.5

mg/L

09/22/93

Nitrobenzene

BQL

1

mg/L

09/22/93

Pentachlorophenol

BQL

50

mg/L

09/22/93

Pyridine

BQL

2.5

mg/L

09/22/93

2,4,5-Trichlorophenol

BQL

200

mg/L

09/22/93

2,4,6-Trichlorophenol

BQL

1

mg/L

09/22/93

COMMENTS:

No TC SEMI Comments

TC VOA**Result****PQL****Unit****Analysis Date**

Benzene

BQL

0.25

mg/L

09/22/93

Carbon Tetrachloride

BQL

0.25

mg/L

09/22/93

Chlorobenzene

BQL

50

mg/L

09/22/93

Chloroform

BQL

3

mg/L

09/22/93

1,2-Dichloroethane

BQL

0.25

mg/L

09/22/93

1,1-Dichloroethylene

BQL

0.35

mg/L

09/22/93

Methyl Ethyl Ketone (Mek)

BQL

100

mg/L

09/22/93

Tetrachloroethylene

BQL

0.35

mg/L

09/22/93

Trichloroethylene

BQL

0.25

mg/L

09/22/93

Vinyl Chloride

BQL

0.1

mg/L

09/22/93

COMMENTS:

SAMPLE WAS SUBSAMPLED FOR ALL VOLATILE
ORGANIC ANALYSIS.

WI DNR (SOLID)**Result****PQL****Unit****Analysis Date**

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acetaldehyde | X | | |
| Acetic acid | X | | |
| Acrylic acid | X | | |
| Aluminum Alkyls | X | | |
| Ammonia | X | | |
| Aniline | X | | |
| Antimony & compounds, as Sb | X | | |
| Barium sol compds, as Ba | X | | |
| Benzyl chloride | X | | |
| Butyl acrylate | X | | |
| Butylamine (c) | X | | |
| Carbon disulfide | X | | |
| Chlorobenzene (monochlorobenzene) | X | | |
| Chromium (III) compds as Cr | X | | |
| Chromium (VI) compds as Cr water sol. | X | | |
| Cresol, all isomers | X | | |
| Cyanides (inorganics) as CN | X | | |
| Cyclohexanone | X | | |
| Cyclohexylamine | X | | |
| 1,1-Dichloroethane | X | | |
| 1,2-Dichloroethylene | X | | |
| Diethanolamine | X | | |
| Diethyl phthalate | X | | |
| Diethylamine | X | | |
| Dimethylamine | X | | |
| Dimethylaniline (N,N-Dimethylaniline) | X | | |
| 2-Ethoxyethanol | X | | |
| Ethyl acrylate | X | | |
| Ethyl benzene | X | | |
| Ethylene glycol vapor (c) | X | | |
| Ethylenediamine | X | | |
| Fluorides (inorganics) as F | X | | |
| Furfural | X | | |
| Hydrogen chloride (c) | X | | |
| Hydrogen cyanide (c) | X | | |
| Isobutyl alcohol | X | | |
| Isophorone (c) | X | | |
| Manganese, as Mn dust and compds (c) | X | | |
| Mercury alkyl compds | X | | |
| Mercury all forms except alkyl, vapor | X | | |
| Mercury (e.alkyl) Aryl & inorganic compds | X | | |
| 2-Methoxyethanol | X | | |
| Methyl isobutyl ketone | X | | |
| Methyl n-butyl ketone | X | | |
| Methylamine | X | | |
| Methylene chloride | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|----------------------------|----|-----|----------------------|
| n-Butyl alcohol (c) | X | | |
| n-Hexane | X | | |
| Naphthalene | X | | |
| Nitric acid | X | | |
| Nitrobenzene | X | | |
| o-Dichlorobenzene (c) | X | | |
| Pentachlorophenol | X | | |
| Perchloroethylene | X | | |
| Phenol | X | | |
| Phosphoric acid | X | | |
| Propargyl alcohol | X | | |
| Pyridine | X | | |
| Selenium compds, as Se | X | | |
| Sulfuric acid | X | | |
| Tetrahydrofuran | X | | |
| Tin organic compds, as Sn | X | | |
| Toluene (toluol) | X | | |
| 1,2,4-Trichlorobenzene (c) | X | | |
| 1,1,2-Trichloroethane | X | | |
| 1,1,2,2-Trichloroethane | X | | |
| Trichloroethylene | X | | |
| Xylene | X | | |

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acrylonitrile | X | | |
| Arsenic and inorganic compds, as As | X | | |
| Benzene | X | | |
| Benzidine | X | | |
| Beryllium and beryllium compds, as Be | X | | |
| Cadmium and cadmium compds, as Cd | X | | |
| Carbon tetrachloride | X | | |
| Chloroform | X | | |
| Chromium (VI), water insoluble compds, as Cr | X | | |
| Di (2-ethylhexyl) phthalate | X | | |
| Formaldehyde | X | | |
| Hexachlorobenzene (HCB) | X | | |
| Lindane and other hexachlorocyclohexane isomers | X | | |
| 2-Naphthylamine | X | | |
| Nickel compds other than nickel subsulfide, as Ni | X | | |
| Nickel subsulfide | X | | |
| o-Toluidine | X | | |
| Vinyl chloride | X | | |



Chemical Waste Management, Inc.

Central Region
2000 South Batavia Avenue
Geneva, Illinois 60134-3329
708/513-4500

Thank you for your interest in Chemical Waste Management, Inc.

Enclosed are the forms necessary to initiate the evaluation process for proper transportation and disposal or treatment of your specific waste.

- ◆ REVIEW EACH FORM FOR COMPLETENESS AND ACCURACY, DATE AND SIGN.
- ◆ Submit a two quart/ three pound representative sample of the waste to be evaluated. A sample kit has been provided to you by CWM, Inc. Date and sign the labels and affix to the sample jars. The sample should be less than seven days old upon receipt by our laboratory.
- ◆ There is a 300.00 approval fee per waste stream for this evaluation. Payment must be included with the samples and paperwork using either a check or PO number written on the top of your profile.
- ◆ Send your payment, completed forms and samples to the address highlighted below:

Chemical Waste Management, Inc.

150 West 137th Street
Riverdale, IL 60627
Attn: Approvals

2 Stewart Court
Bridgeview Business Park
Denville, NJ 07834
Attn: Approvals

Hwy 73, 3.5 miles
West of Taylors Bayou
Port Arthur, TX 77640
Attn: Approvals

- ◆ An acknowledgement of receipt of the samples and paperwork will be mailed back to you.
- ◆ CWM, Inc. approvals are completed within 21 days or the approval fee is waived.
- ◆ A contract/confirmation will be issued specifying price and disposal site. Established customers will then be able to schedule shipments for disposal.
- ◆ IT IS IMPORTANT THAT YOU KEEP A COPY OF THE PROFILE SHEET OR RECORD THE PROFILE NUMBER THAT IS IN THE UPPER RIGHT HAND CORNER. THIS IS HOW WE TRACK YOUR WASTE STREAMS THROUGH OUR SYSTEM.

Thank you for this opportunity to be of service.

Sincerely,

Marguerite Sroka

Kevin Jennings
Marguerite Sroka
Brenda Sipes
Thomas Donegan

Profile Specialists

Enclosures

WASTE PROFILE

Profile #

() Check here if this is a Recertification

LOCATION OF ORIGINAL MIDWEST REGIONAL LABEME-NEUTRAL, LANDAF8350
#133

GENERAL INFORMATION

1. Generator Name: FROST COMPANY Generator USEPA ID: APPL

2. Generator Address: 6523 14TH AVENUE Billing Address: _____
(X) Same

KENOSHA WI 53140

3. Technical Contact/Phone: CHRIS LA BELLE 414/658-4301

4. Alternate Contact/Phone: DAVE WELLS 414/658-4301 Billing Contact/Phone: CHRIS LA BELLE 414/658-4301

PROPERTIES AND COMPOSITION

5. Process Generating Waste: ELECTROPOLISHING OF STAINLESS STEEL PARTS

6. Waste Name: ELECTROPOLISH SLUDGE

7A. Is this a USEPA hazardous waste (40 CFR Part 261)? Yes (X) No ()

B. Identify ALL USEPA listed and characteristic waste code numbers (D,F,K,P,U): D002

State Waste Codes: _____

8. Physical State @ 70F: A. Solid() Liquid() Both(X) Gas() B. Single Layer () Multilayer (X) C. Free liq. range 30 to 50

9A. pH: Range 1.0 to 1.5 or Not applicable () B. Strong Odor ();describe _____

10. Liquid Flash Point: < 73F () 73-99F () 100-139F () 140-199F () >= 200F (X) N.A. () Closed Cup (X) Open Cup ()

11. CHEMICAL COMPOSITION: List ALL constituents (incl. halogenated organics) present in any concentration and forward analysis

| Constituents | Range | Unit Description |
|--|--------------------------|-------------------|
| <u>PHOSPHORIC ACID</u> | <u>to</u> <u>40</u> % | |
| <u>SULFURIC ACID</u> | <u>to</u> <u>30</u> % | |
| <u>WATER</u> | <u>to</u> <u>60</u> % | |
| <u>METAL FINES</u> | <u>30 to</u> <u>40</u> % | |
| <u>INORGANIC SALTS</u> | <u>10 to</u> <u>15</u> % | |
| <u>DIRT</u> | <u>5 to</u> <u>10</u> % | |
| TOTAL COMPOSITION (MUST EQUAL OR EXCEED 100%): | | <u>195.000000</u> |

12. OTHER: PCBs if yes, concentration _____ ppm, PCBs regulated by 40 CFR 761 (). Pyrophoric () Explosive ()
Radioactive () Benzene if yes, concentration _____ ppm. NESHAP () Shock Sensitive () Oxidizer ()
Carcinogen () Infectious () Other _____

13. If waste subject to the land ban & meets treatment standards, check here: _ & supply analytical results where applicable.

SHIPPING INFORMATION

14. PACKAGING: Bulk Solid () Bulk Liquid () Drum (X) Type/Size: 55 GALLON DRUM Other 17H

15. ANTICIPATED ANNUAL VOLUME: _____ 5 Units: DRUMS Shipping Frequency: YEAR

SAMPLING INFORMATION

16a. Sample source (drum, lagoon, pond, tank, vat, etc.): _____

Date Sampled: _____ Sampler's Name/Company: _____

16b. Generator's Agent Supervising Sampling: _____ 17. () No sample required (See instructions.)

GENERATOR'S CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize CWM to obtain a sample from any waste shipment for purposes of recertification.

Signature

Name and Title

Date



SAMPLE JAR LABEL

GENERATOR NAME: FROST CO

WASTE NAME: ELECTROPOLISH SLUDGE

PROFILE NUMBER: AF 8350

DATE SAMPLE TAKEN: _____

SAMPLER'S NAME: _____

SAMPLER'S SIGNATURE: _____

This sample is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method.

CWM-2102 (4/91)



SAMPLE JAR LABEL

GENERATOR NAME: FROST CO

WASTE NAME: ELECTROPOLISH SLUDGE

PROFILE NUMBER: AF 8350

DATE SAMPLE TAKEN: _____

SAMPLER'S NAME: _____

SAMPLER'S SIGNATURE: _____

This sample is representative as defined in 40 CFR 261 - Appendix 1 or by using an equivalent method.

CWM-2102 (4/91)



CUSTOMER PLEASE NOTE

Prior to waste being approved or scheduled for disposal at Chemical Waste Management, Inc. in Emelle Alabama the attached "Generator Certification" must be completed and signed. **The true Generator of the waste,** (per the waste profile sheet) **must sign the form.** One of these forms must be completed for each waste generating location your company operates.

This form is required in order that the Alabama Department of Environmental Management can issue disposal approvals for each waste stream being disposed of at Emelle.

The State of Alabama fee is \$50.00 for new ADEM numbers and \$25.00 for renewals. CWM, Inc. will bill these fees from the Emelle facility independent of the approval cost.

The Emelle facility will be responsible for obtaining state approval numbers on your behalf once the Emelle facility receives a signed copy of the "Generator Certification".

Please mail the completed form back to Chemical Waste Management, Inc. along with your Waste Profile Sheet.

Feel free to call your Customer Service Representative with any questions.



GENERATOR'S CERTIFICATION

I hereby certify on behalf of Frost Company
(Company Name), (hereinafter for convenience called "Generator"),
by my signature and as a duly authorized representative of
Generator, that the attached is an analysis of and information
regarding waste originating from the Generator's facility located
at 6523 19th Avenue
Kenosha, WI 53140 (Location).

I further certify that the attached analysis and information is
provided in compliance with ADEM Administrative Code Rules 335-14-
3-.08, and that Chemical Waste Management, Inc. has been duly
authorized by the Generator to submit the attached information, and
this certification where appropriate, in behalf of the Generator
and in compliance with the aforementioned regulation.

I further certify, under penalty of law, that this document and all
attachments were prepared under my authorization, direction or
supervision in accordance with a system designed to assure that
qualified personnel properly gather and evaluate the information
submitted. Based on my inquiry of the person or persons who manage
the system, or those persons directly responsible for gathering the
information, the information submitted is, to the best of my
knowledge and belief, true, accurate, and complete. I am aware
that there are significant penalties for submitting false
information including the possibility of fine and imprisonment for
knowing violations.

The Generator understands that any approval by the Department of
Environmental Management for disposal of any waste described by the
submitted information shall not relieve the Generator from
liability for compliance with all other applicable statutes and
regulations regarding the management of hazardous wastes.

Signature For Generator

By: _____
(Print or type name)

Its: _____
(Title of individual whose signature appears above)

Date: _____
(Date on which this document is executed)

COMPLETE FORM AND RETURN WITH SAMPLE PAPERWORK



Generator FROST COMPANY Profile# AF 8350

In order for us to approve your waste stream, the information below must be completed.

A listing of the F039 hazardous constituents is attached for your convenience.

If you do not reasonably expect these constituents to be present, please place an 'X' here.

_____ No underlying hazardous constituents.

If any of these constituents are expected to be present please circle the constituent on the attached list.

Please return these forms via fax to 708-841-2824, attention Approval Support. Thank you for your cooperation.

LAND BAN SUMMARY

Chemical Waste Management, Inc.'s Hazardous Waste Land Disposal Restrictions Guide

If you have any questions about this material, please call CWM - Corporate EMD, (708) 218-1758. The toll-free customer numbers is 1-800-843-36

Chemical Waste Management, Inc. - Corp. Envi. Management Dept. - Revision date: March 15, 1993

F039 Nonwastewater Treatment Standards

| | | | | | |
|----------------------------------|-------|------|------------------------------------|-------|------|
| ACENAPHTHALENE | 3.4 | TCA | 4-BROMOPHENYL PHENYL ETHER | 15.0 | TCA |
| ACENAPHTHENE | 4.0 | TCA | N-BUTYL ALCOHOL | 2.6 | TCA |
| ACETONE | 160.0 | TCA | 2-SEC-BUTYL- | | |
| ACETOPHENONE | 9.7 | TCA | 4,6-DINITROPHENOL (DINOSEB) | 2.5 | TCA |
| 2-ACETYLAMINOFLUORENE | 140.0 | TCA | BUTYLBENZYLPHTHALATE | 7.9 | TCA |
| ACRYLONITRILE (VINYL CYANIDE) | 84.0 | TCA | CADMIUM | 0.066 | TCLP |
| ALDRIN | 0.066 | TCA | CARBON TETRACHLORIDE | 5.6 | TCA |
| ANILINE | 14.0 | TCA | CHLORDANE | 0.13 | TCA |
| ANTHRACENE | 4.0 | TCA | P-CHLORO-M-CRESOL | 14.0 | TCA |
| ANTIMONY | 0.23 | TCLP | P-CHLOROANILINE | 16.0 | TCA |
| AROCHLOR 1016 | 0.92 | TCA | CHLOROBENZENE | 5.7 | TCA |
| AROCHLOR 1221 | 0.92 | TCA | CHLORODIBROMOMETHANE | 15.0 | TCA |
| AROCHLOR 1232 | 0.92 | TCA | CHLOROETHANE | 6.0 | TCA |
| AROCHLOR 1242 | 0.92 | TCA | BIS-(2-CHLOROETHOXY)METHANE | 7.2 | TCA |
| AROCHLOR 1248 | 0.92 | TCA | BIS(2-CHLOROETHYL)ETHER | 7.2 | TCA |
| AROCHLOR 1254 | 1.8 | TCA | CHLOROFORM | 5.6 | TCA |
| AROCHLOR 1260 | 1.8 | TCA | BIS-(2-CHLOROISOPROPYL) ETHER | 7.2 | TCA |
| ARSENIC | 5.0 | TCLP | CHLOROMETHANE: SEE METHYL CHLORIDE | | |
| BARIUM | 52.0 | TCLP | P-CHLORONAPHTHALENE (ALSO CALLED | | |
| BENZENE | 36.0 | TCA | 2-CHLORONAPHTHALENE) | 5.6 | TCA |
| BENZ(A)ANTHRACENE | 8.2 | TCA | 2-CHLOROPHENOL | 5.7 | TCA |
| BENZO(A)PYRENE | 8.2 | TCA | 3-CHLOROPROPENE (ALSO CALLED | | |
| BENZO(B)FLUORANTHENE | 3.4 | TCA | 3-CHLOROPROPYLENE) | 28.0 | TCA |
| BENZO(G,H,I)PERYLENE | 1.5 | TCA | CHROMIUM (TOTAL) | 5.2 | TCLP |
| BENZO(K)FLUORANTHENE | 3.4 | TCA | CHRYSENE | 8.2 | TCA |
| ALPHA-BHC | 0.066 | TCA | O-CRESOL | 5.6 | TCA |
| BETA-BHC | 0.066 | TCA | CRESOLS (M- AND P- ISOMERS) | 3.2 | TCA |
| DELTA-BHC | 0.066 | TCA | CYANIDES (TOTAL) | 1.8 | TCA |
| GAMMA-BHC (LINDANE) | 0.066 | TCA | O,P'-DDD | 0.087 | TCA |
| BROMODICHLOROMETHANE | 15.0 | TCA | P,P'-DDD | 0.087 | TCA |
| BROMOFORM | | | O,P'-DDE | 0.087 | TCA |
| (TRIBROMOMETHANE) | 15.0 | TCA | P,P'-DDE | 0.087 | TCA |
| BROMOMETHANE: SEE METHYL BROMIDE | | | O,P'-DDT | 0.087 | TCA |

LAND BAN SUMMARY

Chemical Waste Management, Inc.'s Hazardous Waste Land Disposal Restrictions Guide

If you have any questions about this material, please call CWM - Corporate EMD, (708) 218-1758. The toll-free customer numbers is 1-800-843-361

Chemical Waste Management, Inc. - Corp. Envi. Management Dept. - Revision date: March 15, 1993

F039 Nonwastewater Treatment Standards

| | | | | | |
|--------------------------------|-------|-----|-----------------------------------|-------|------|
| P,P'-DDT | 0.087 | TCA | ENDOSULFAN II | 0.13 | TCA |
| DI-N-BUTYL PHTHALATE | 28.0 | TCA | ENDOSULFAN SULFATE | 0.13 | TCA |
| DI-N-OCTYL PHTHALATE | 28.0 | TCA | ENDRIN | 0.13 | TCA |
| DI-N-PROPYLNITROSAMINE | 14.0 | TCA | ENDRIN ALDEHYDE | 0.13 | TCA |
| DIBENZ(A,H)ANTHRACENE | 8.2 | TCA | ETHYL ACETATE | 33.0 | TCA |
| 1,2-DIBROMO-3-CHLOROPROPANE | 15.0 | TCA | ETHYL CYANIDE: SEE PROPANENITRILE | | |
| DIBROMOMETHANE | 15.0 | TCA | ETHYL ETHER | 160.0 | TCA |
| M-DICHLOROBENZENE | 6.2 | TCA | ETHYL METHACRYLATE | 160.0 | TCA |
| O-DICHLOROBENZENE | 6.2 | TCA | ETHYLBENZENE | 6.0 | TCA |
| P-DICHLOROBENZENE | 6.2 | TCA | ETHYLENE DIBROMIDE | 15.0 | TCA |
| DICHLORODIFLUOROMETHANE | 7.2 | TCA | BIS(2-ETHYLHEXYL) PHTHALATE | 28.0 | TCA |
| 1,1-DICHLOROETHANE | 7.2 | TCA | FAMPHUR | 15.0 | TCA |
| 1,2-DICHLOROETHANE | 7.2 | TCA | FLUORANTHENE | 8.2 | TCA |
| 1,1-DICHLOROETHYLENE | 33.0 | TCA | FLUORENE | 4.0 | TCA |
| TRANS-1,2-DICHLOROETHYLENE | 33.0 | TCA | FLUOROTRICHLOROMETHANE | 33.0 | TCA |
| 2,6-DICHLOROPHENOL | 14.0 | TCA | HEPTACHLOR | 0.066 | TCA |
| 2,4-DICHLOROPHENOL | 14.0 | TCA | HEPTACHLOR EPOXIDE | 0.066 | TCA |
| 2,4-DICHLOROPHENOXYACETIC ACID | | | HEXACHLOROBENZENE | 37.0 | TCA |
| (ALSO CALLED 2,4-D) | 10.0 | TCA | HEXACHLOROBUTADIENE | 28.0 | TCA |
| 1,2-DICHLOROPROPANE | 18.0 | TCA | HEXACHLOROCYCLOPENTADIENE | 3.6 | TCA |
| CIS-1,3-DICHLOROPROPENE | 18.0 | TCA | HEXACHLORODIBENZO-P-DIOXINS | 0.001 | TCA |
| TRANS-1,3-DICHLOROPROPENE | 18.0 | TCA | HEXACHLORODIBENZOFURANS | 0.001 | TCA |
| DIELDRIN | 0.13 | TCA | HEXACHLOROETHANE | 28.0 | TCA |
| DIETHYL PHTHALATE | 28.0 | TCA | HEXACHLOROPROPENE | 28.0 | TCA |
| 2,4-DIMETHYL PHENOL | 14.0 | TCA | INDENO (1,2,3-CD) PYRENE | 8.2 | TCA |
| DIMETHYL PHTHALATE | 28.0 | TCA | IODOMETHANE | 65.0 | TCA |
| 4,6-DINITRO-O-CRESOL | 160.0 | TCA | ISOBUTANOL | 170.0 | TCA |
| 1,4-DINITROBENZENE | 2.3 | TCA | ISODRIN | 0.066 | TCA |
| 2,4-DINITROPHENOL | 160.0 | TCA | ISOSAFROLE | 2.6 | TCA |
| 2,4-DINITROTOLUENE | 140.0 | TCA | KEPONE | 0.13 | TCA |
| 2,6-DINITROTOLUENE | 28.0 | TCA | LEAD | 0.51 | TCLP |
| 1,4-DIOXANE | 170.0 | TCA | MERCURY | 0.025 | TCLP |
| DISULFOTON | 6.2 | TCA | METHACRYLONITRILE | 84.0 | TCA |
| ENDOSULFAN I | 0.066 | TCA | METHAPYRILINE | 1.5 | TCA |

LAND BAN SUMMARY

Chemical Waste Management, Inc.'s Hazardous Waste Land Disposal Restrictions Guide

If you have any questions about this material, please call CWM - Corporate EMD, (708) 218-1758. The toll-free customer numbers is 1-800-843-3600

Chemical Waste Management, Inc. - Corp. Envi. Management Dept. - Revision date: March 15, 1993

F039 Nonwastewater Treatment Standards

| | | | | | |
|--|-------|------|---|-------|------|
| METHOXYCHLOR | 0.18 | TCA | PROPANENITRILE | 360.0 | TCA |
| METHYL BROMIDE | 15.0 | TCA | PYRENE | 8.2 | TCA |
| METHYL CHLORIDE | 33.0 | TCA | PYRIDINE | 16.0 | TCA |
| METHYL ETHYL KETONE | 36.0 | TCA | SAFROLE | 22.0 | TCA |
| METHYL ISOBUTYL KETONE | 33.0 | TCA | SELENIUM | 5.7 | TCLP |
| METHYL METHACRYLATE | 160.0 | TCA | SILVER | 0.072 | TCLP |
| METHYL PARATHION | 4.6 | TCA | 2,4,5-T | 7.9 | TCA |
| 3-METHYLCHOLANTHRENE | 15.0 | TCA | 1,2,4,5-TETRACHLOROBENZENE | 19.0 | TCA |
| METHYLENE CHLORIDE | 33.0 | TCA | TETRACHLORODIBENZO-FURANS | 0.001 | TCA |
| 4,4'-METHYLENE-BIS- (2-CHLOROANILINE) | 35.0 | TCA | TETRACHLORODIBENZO-P-DIOXINS | 0.001 | TCA |
| NAPHTHALENE | 3.1 | TCA | 1,1,1,2-TETRACHLOROETHANE | 42.0 | TCA |
| NICKEL | 0.32 | TCLP | 1,1,2,2-TETRACHLOROETHANE | 42.0 | TCA |
| 5-NITRO-O-TOLUIDINE | 28.0 | TCA | TETRACHLOROETHYLENE | 5.6 | TCA |
| P-NITROANILINE | 28.0 | TCA | 2,3,4,6-TETRACHLOROPHENOL | 37.0 | TCA |
| NITROBENZENE | 14.0 | TCA | TOLUENE | 28.0 | TCA |
| 4-NITROPHENOL | 29.0 | TCA | TOXAPHENE | 1.3 | TCA |
| N-NITROSO-DI-N-BUTYLAMINE | 17.0 | TCA | 2,4,5-TP SILVEX | 7.9 | TCA |
| N-NITROSODIETHYLAMINE | 28.0 | TCA | 1,1,2-TRICHLORO- 1,2,2-TRIFLUOROETHANE | 28.0 | TCA |
| N-NITROSOMETHYLETHYLAMINE | 2.3 | TCA | 1,2,4-TRICHLOROBENZENE | 19.0 | TCA |
| N-NITROSOMORPHOLINE | 2.3 | TCA | 1,1,1-TRICHLOROETHANE | 5.6 | TCA |
| N-NITROSOPIPERIDINE | 35.0 | TCA | 1,1,2-TRICHLOROETHANE | 5.6 | TCA |
| N-NITROSOPYRROLIDINE | 35.0 | TCA | TRICHLOROETHYLENE | 5.6 | TCA |
| PARATHION | 4.6 | TCA | 2,4,5-TRICHLOROPHENOL | 37.0 | TCA |
| PENTACHLOROBENZENE | 37.0 | TCA | 2,4,6-TRICHLOROPHENOL | 37.0 | TCA |
| PENTACHLORODIBENZOFURANS | 0.001 | TCA | 1,2,3-TRICHLOROPROPANE | 28.0 | TCA |
| PENTACHLORODIBENZO-P-DIOXINS | 0.001 | TCA | VINYL CHLORIDE | 33.0 | TCA |
| PENTACHLORONITROBENZENE | 4.8 | TCA | XYLENE | 28.0 | TCA |
| PENTACHLOROPHENOL | 7.4 | TCA | | | |
| PHENACETIN | 16.0 | TCA | | | |
| PHENANTHRENE | 3.1 | TCA | | | |
| PHENOL | 6.2 | TCA | | | |
| PHORATE | 4.6 | TCA | | | |
| PRONAMIDE | 1.5 | TCA | | | |



Chemical Waste Management, Inc.

Controlled Waste Division
W124 N9451 Boundary Road
Menomonee Falls, Wisconsin 53051
414/255-6655

PROFILE # AF 8285COMPANY NAME Frost Co.

AUTHORIZED GENERATOR SIGNATURE

Christopher M. LaBelleNAME (PRINT) Christopher M. LaBelle

HAZARDOUS WASTE STABILIZATION CONSTITUENTS
(Completed based on generator knowledge or analytical)
FOR HAZARDOUS WASTE STABILIZATION ONLY

| CONTAMINANTS | NO | YES | IF YES, TOTAL PPM |
|---|----|-----|----------------------|
| Acetic anhydride(c) | X | | |
| Aluminum soluble salts | X | | |
| Borates, tetra, sodium salts, decahydrate | X | | |
| Borates, tetra, sodium salts, pentahydrate | X | | |
| Calcium cyanamide | X | | |
| Calcium hydroxide | X | | |
| Calcium oxide | X | | |
| Carbon Black | X | | |
| Carbon tetrachloride | X | | |
| Chromium (II) compds, as Cr | X | | |
| Chromium (metal) | X | | |
| Cobalt, as Co, metal, dust | X | | |
| Copper dust & Mist, as Cu | X | | |
| Cyanamide | X | | |
| Dinitrotoluene | X | | |
| Ethyl silicate | X | | |
| Hydrogen bromide(c) | X | | |
| Hydrogen peroxide | X | | |
| Iron salt, soluble, as Fe | X | | |
| Manganese tetroxide | X | | |
| Molybdenum, as Mo, soluble compds | X | | |
| Oxalic acid | X | | |
| Platinum metal | X | | |
| Platinum soluble salts, as Pt | X | | |
| Potassium hydroxide(c) | X | | |
| Sodium bisulfite | X | | |
| Stoddard Solvent (mineral spirits) | X | | |
| Thallium soluble compds, as Tl | X | | |
| Tin (metal) | X | | |
| Tin oxide & inorganic compds, except SnH ₄ , as Sn | X | | |
| Tungsten, as W, insoluble compds | X | | |
| Tungsten, as W, soluble compds | X | | |

Generator Frost Company Profile# AF 8350

In order for us to approve your waste stream, the information below must be completed.

A listing of the F039 hazardous constituents is attached for your convenience.

If you do not reasonably expect these constituents to be present, please place an 'X' here.

X No underlying hazardous constituents.

If any of these constituents are expected to be present please circle the constituent on the attached list.

Please return these forms via fax to 708-841-2824, attention Approval Support. Thank you for your cooperation.

Christopher M. L. Belle
GENERATOR'S SIGNATURE

I do not have any information on
inorganic salts in the electropolish solution.
In order to find this information out you
could contact our supplier Ken Hensel
(Electropolish Systems) at 414-253-9780 Fax 414-251-0526.
He better understands the process and would
be able to better answer any questions.

Sample Id: 200069504

Waste Profile No: AF8285

Lab Asystant No: 4418339

This Report is intended for the use and benefit of Waste Management and its companies.
No representation concerning significance of the reported data is made to any other person
or entity.

WI DNR (SOLID)

Result

PQL

Unit

Analysis Date

COMMENTS:

SAMPLE WAS NOT RUN AS TOTAL CHLORIDE WAS LESS
THAN 0.5%

Sample Id: 200069504

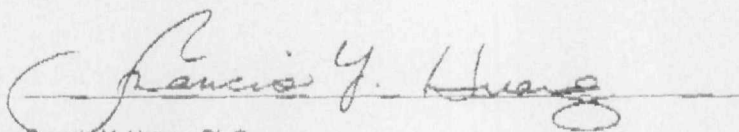
Waste Profile No: AF8285

Lab Asystant No: 4418339

This Report is intended for the use and benefit of Waste Management and its companies.
No representation concerning significance of the reported data is made to any other person
or entity.

CERTIFICATION: Except as explicitly noted, all analytical data reported above were obtained under my direction and supervision. For Chemical Waste Management, Inc. companies, sample preparation and analytical methods and analytical equipment specified or approved in the facility's waste analysis plan were used in conducting this analysis. This laboratory follows a quality assurance control program.

Report Date Sep 24, 1993



Francis Y. Huang, Ph.D.
Lab Manager

TC Matrix Corrected Results Attached

gabriel - midwest, ltd.

Environmental & Consulting Services

I N V O I C E

* I N V O I C E *

Fax (414) 652-5902
1-800-236-3823

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

For Professional Services Rendered
Invoice Number: 007842

Invoice Date: 09/10/93

Page: 1

Sold DON BECKER, BECKER INC.
To: 6705 14TH AVENUE
KENOSHA, WI
53140

Ship DON BECKER, BECKER INC.
To: 6705 14TH AVENUE
KENOSHA, WI
53140

Ship Via.:
Ship Date: 09/10/93
Due Date: 10/10/93
Terms: NET 30

Cust I.D.: BECKER
P.O. Number: VERBAL
P.O. Date: 09/10/93
Job/Order No.: 0997
Salesperson: JS

| Item I.D./Desc. | Ordered | Shipped | Unit | Price | Net | TX |
|-------------------------------|---------|---------|------|-----------|---------|----|
| REPORT NO. 0997 | 1.00 | 1.00 | | 1350.0000 | 1350.00 | E |
| ANALYSIS OF SOLID SAMPLE TCLP | | | | | | |

Subtotal: 1350.00
Tax: 0.00
Total: 1350.00

A 1.75% monthly service charge will be added to all invoices past due.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Don Becker, Becker, Inc., Kenosha, WI
SUBJECT: Analysis of Solid Sample, 6705 14th Avenue, Kenosha
GML WI CERTIFICATION ID: 252087440
GL WI CERTIFICATION ID: 999520940
P.O. #:
SAMPLE DATE: 08/20/93 DATE RECEIVED: 08/23/93
GML SAMPLE CODE: 2747B-93 ANALYSIS COMPLETED: 09/07/93
REPORT NUMBER: 0997 PAGE 1 OF 2
REPORT DATE: 09/08/93

SAMPLE DESCRIPTION: 08/20/93 AM GRAB

| HW NO. | CONTAMINANT | TCLP UNSPIKED SAMPLE VALUE mg/L | TC REG. LEVEL mg/L |
|-----------|-------------|---------------------------------------|--------------------------|
|-----------|-------------|---------------------------------------|--------------------------|

VOLATILES

| | | | |
|------|----------------------|--------|-------|
| D018 | Benzene | <0.005 | 0.5 |
| D019 | Carbon Tetrachloride | <0.005 | 0.5 |
| D021 | Chlorobenzene | <0.005 | 100.0 |
| D022 | Chloroform | <0.005 | 6.0 |
| D027 | 1,4-Dichlorobenzene | <0.010 | 7.5 |
| D028 | 1,2-Dichloroethane | <0.005 | 0.5 |
| D029 | 1,1-Dichloroethylene | <0.005 | 0.7 |
| D035 | Methyl ethyl ketone | <0.050 | 200.0 |
| D039 | Tetrachloroethylene | <0.005 | 0.7 |
| D040 | Trichloroethylene | <0.005 | 0.5 |
| D043 | Vinyl chloride | <0.010 | 0.2 |

Base/Neutrals

| | | | |
|------|---------------------|--------|------|
| D030 | 2,4-Dinitrotoluene | <0.010 | 0.13 |
| D032 | Hexachlorobenzene | <0.010 | 0.13 |
| D033 | Hexachlorobutadiene | <0.010 | 0.5 |
| D034 | Hexachloroethane | <0.010 | 3.0 |
| D036 | Nitrobenzene | <0.010 | 2.0 |
| D038 | Pyridine | <0.050 | 5.0 |

ACIDS

| | | | |
|------|-----------------------|--------|-------|
| D026 | Cresols | <0.010 | 200.0 |
| D037 | Pentachlorophenol | <0.010 | 100.0 |
| D041 | 2,4,5-Trichlorophenol | <0.010 | 400.0 |
| D042 | 2,4,6-Trichlorophenol | <0.010 | 2.0 |

WILLIAM J. LINIEWICZ, JR.

LAB DIRECTOR _____

NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

LABORATORY REPORT

3307 - 14th Avenue
Kenosha, Wisconsin 53140
Phone (414) 652-5656

Fax (414) 652-5902
1-800-236-3823

gabriel - midwest, ltd.
Environmental & Technical Services

TO: Mr. Don Becker, Becker, Inc., Kenosha, WI
SUBJECT: Analysis of Solid Sample, 6705 14th Avenue, Kenosha
GML WI CERTIFICATION ID: 252087440
GL WI CERTIFICATION ID: 999520940

P.O. #:

SAMPLE DATE: 08/20/93

DATE RECEIVED: 08/23/93

GML SAMPLE CODE: 2747B-93

ANALYSIS COMPLETED: 09/07/93

REPORT NUMBER: 0997

PAGE 2 OF 2

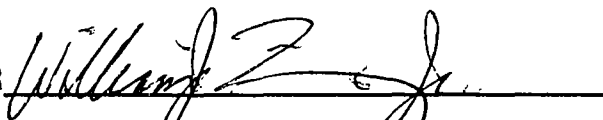
REPORT DATE: 09/08/93

SAMPLE DESCRIPTION: 08/20/93 AM GRAB

| | RESULTS | MIN. QUANT. LIMIT |
|-----------------------------------|--------------|-------------------|
| T. Cyanide | <0.015 mg/L | 0.015 mg/L |
| Reactive Cyanide | NR | |
| Density | 1.75 g/cm3 | |
| Free Liquids | None Present | |
| Flashpoint, Degrees Fahrenheit | >212 | |
| pH, Standard Units | 7.00 | |
| T. Sulfide | <5.0 mg/L | 5.00 mg/L |
| Reactive Sulfide | NR | |
| % T. Solids | 92.9 % | |

| HW NO. | CONTAMINANT | TCLP UNSPIKED SAMPLE VALUE mg/L | MATRIX SPIKE RECOVERY % | CORRECTED TCLP VALUE mg/L | TC REG. LEVEL mg/L |
|--------|-------------|---------------------------------|-------------------------|---------------------------|--------------------|
| D004 | Arsenic | 0.002 | 105 % | 0.002 | 5.0 |
| D005 | Barium | 0.80 | 112 % | 0.72 | 100.0 |
| D006 | Cadmium | 1.00 | 124 % | 0.810 | 1.0 |
| D007 | Chromium | <0.050 | 84 % | <0.050 | 5.0 |
| D008 | Lead | 0.51 | 99 % | 0.50 | 5.0 |
| D009 | Mercury | <0.0002 | 97 % | <0.0002 | 0.2 |
| D010 | Selenium | <0.002 | 69 % | <0.002 | 1.0 |
| D011 | Silver | | | | |

LAB DIRECTOR



NOTE: Water Samples are disposed of 30 days after receipt;
Non-Water Samples will be returned 6 weeks after receipt.

CBC-AquaSearch

MAY 24, 1985

MAY 28 1985

ENVIRONMENTAL SERVICES:

Analytical, Field & Consulting

Air

Water & Wastewater

Solid & Hazardous Waste

Industrial Hygiene

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A.

DEAR CHRIS KALVONJIAN P.A.,

CBC-AquaSearch has recently done some analysis for you. The remaining sample(s) is currently being stored in our facility.

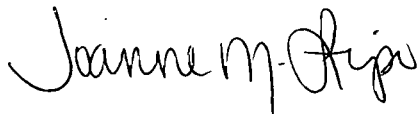
Due to a limited amount of storage space as well as the limits of the federal storage regulations, we at CBC-AquaSearch must dispose of all samples on a periodic basis. We will hold a sample for no longer than eight weeks. At this point we have one of two options to effect the necessary disposal: we can return the sample to its respective owner and the owner can then handle the proper disposal or; CBC-AquaSearch can dispose of the sample for a nominal fee of \$15.00 per sample.

We at CBC-AquaSearch will be satisfied with either choice because, as I said, we are limited both by federal regulations and space. We must act now. We ask that you notify us by 6/17/85 if you would like us to handle the sample disposal. If we do not hear from you, we will assume that you would like your remaining sample back and we will return it promptly.

If you have any questions, or if you would like to contact us about your sample, please call me or Kurt Whitman at (414) 764-7005.

Thank you for your cooperation.

Sincerely,



Joanne M. Lipo
Client Services

5/14/85

LABORATORY REPORT

PAGE 1



ENVIRONMENTAL SERVICES:

Analytical, Field & Consulting

Air

Water & Wastewater

Solid & Hazardous Waste

Industrial Hygiene

F089 8402310 JML

FROST CO
6523 14TH AVE.
KENOSHA, WI 53141
ATTN: CHRIS KALVONJIAN P.A

SAMPLE 85127-F03444 FOUNDRY SAND WASTE (85108-F03444)
DATE COLLECTED 4/17/85 DATE RECEIVED 5/07/85

| TEST NAME | RESULT | UNITS | EP TOXICITY | EP LIMIT | HAZ. CODE |
|--------------|--------|-------|-------------|----------|-----------|
| CADMIUM - EP | | | 0.065 | 1.0 | |
| LEAD - EP | | | 14 | 5.0 | D008 |

METHODS FOR CHEMICAL ANALYSIS OF WATER AND WASTES, 1979, EPA-600/4-79-020.
TEST METHODS FOR EVALUATING SOLID WASTE, PHYSICAL/CHEMICAL METHODS,
1982, EPA SW846.

DATE LABORATORY SUPERVISOR

EXHIBIT B

Continued Noncompliance at Frost, site FST-001

Compliance Schedule Violations

| Date of Sample | Chromium Concentration |
|-----------------------------|------------------------|
| 7/10/89 | 2.0 |
| 7/11/89 | 3.5 * |
| 7/12/89 | 4.0 * |
| 7/13/89 | 5.2 * |
| 7/24/89 | 1.9 |
| 7/25/89 | 3.2 * |
| 7/26/89 | 1.3 |
| 7/27/89 | 2.2 |
| 8/07/89 | 1.3 ^{1.1} |
| 8/08/89 | 0.62 ^{0.55} |
| 8/09/89 | 0.37 ^{0.40} |
| 8/10/89 | 0.24 |
| Monthly Average (July) | 2.9 ** |
| Daily Maximum Concentration | 2.77 |
| Monthly Average Limit | 1.71 |

All concentrations for chromium and copper are in mg/L.

* Exceeded daily maximum concentration limit.

** Exceeded monthly average concentration limit.

Current Limits
10/89

| | <u>DAILY MAX</u> | <u>4-DAY AVERAGE</u> |
|----------|------------------|----------------------|
| CHROMIUM | 2.77 | 1.71 |
| COPPER | 3.38 | 2.07 |
| LEAD | .68 | .43 |
| NICKEL | 3.98 | 2.38 |
| ZINC | 2.61 | 1.48 |

CHAIN OF CUSTODY RECORD

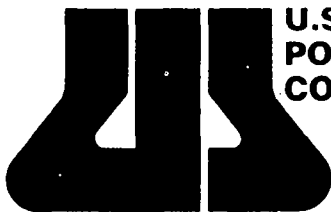
[illegible]

RESULTS COMPARISON

FROST, site FST-001

| Date of Sample: | | Cr | Cu | Pb | Ni | Zn |
|---------------------|-------|------|------|-------|------|------|
| 5/22/89 | - CBC | 1.5 | 1.2 | 0.1 | 0.76 | 1.1 |
| | - KWU | 2.4 | 3.2 | 0.17 | 0.98 | 1.4 |
| 5/23/89 | - CBC | 0.55 | 3.0 | 0.1 | 1.3 | 1.9 |
| | - KWU | 2.5 | 1.5 | 0.13 | 1.7 | 2.5 |
| 5/24/89 | - CBC | 2.1 | 2.2 | 0.2 | 1.3 | 2.2 |
| | - KWU | 1.8 | 1.6 | 0.15 | 1.7 | 2.6 |
| 5/25/89 | - CBC | 2.2 | 1.1 | <0.1 | 4.7 | 1.1 |
| | - KWU | 0.76 | 4.3 | 0.09 | 5.4 | 1.3 |
| Average | - CBC | 1.59 | 1.88 | <0.13 | 2.02 | 1.58 |
| | - KWU | 1.86 | 2.65 | 0.13 | 2.45 | 1.95 |
| Sample | - KWU | 0.09 | 0.04 | 0.53 | 1.2 | 19.8 |
| Duplicate | - KWU | 0.09 | 0.03 | 0.55 | 1.2 | 19.4 |
| 0.500 check std | - KWU | 0.46 | 0.49 | 0.50 | 0.47 | 0.50 |
| ERA std, % recovery | - KWU | 100 | 102 | 109 | 90 | 91 |
| Spike, % recovery | - KWU | 96 | 104 | 103 | 102 | 106 |

| Date of Sample: | | Cr | Cu | Pb | Ni | Zn |
|---------------------|-------|------|------|-------|------|------|
| 6/05/89 | - CBC | 1.4 | 1.0 | 0.3 | 0.35 | 0.98 |
| | - KWU | 1.4 | 1.3 | 0.42 | 0.44 | 1.1 |
| 6/06/89 | - CBC | 1.5 | 0.74 | 0.1 | 0.98 | 0.73 |
| | - KWU | 1.8 | 1.2 | 0.15 | 1.2 | 0.94 |
| 6/07/89 | - CBC | 2.1 | 0.96 | <0.1 | 1.8 | ---- |
| | - KWU | 3.9 | 2.4 | 0.17 | 3.0 | 0.80 |
| Duplicate | - KWU | 4.0 | 2.5 | 0.17 | 3.0 | 0.86 |
| 6/08/89 | - CBC | 1.5 | 1.2 | 0.1 | 0.76 | 1.1 |
| | - KWU | 6.0 | 2.1 | 0.32 | 2.6 | 1.2 |
| Average | - CBC | 1.63 | 0.98 | <0.15 | 0.97 | 0.94 |
| | - KWU | 3.28 | 1.75 | 0.27 | 1.81 | 1.01 |
| 0.500 check std | - KWU | 0.46 | 0.50 | 0.49 | 0.50 | 0.49 |
| ERA std, % recovery | - KWU | 99 | 96 | 103 | 77 | 93 |
| Spike, % recovery | - KWU | 80 | 105 | 97 | 104 | 104 |



U.S.
POLLUTION
CONTROL, INC.

PLEASE RETAIN THESE DOCUMENTS
THIS IS THE ONLY COPY YOU WILL
RECEIVE !!

CUSTOMER SAMPLE REFERENCE NUMBER : LM89-0797-89
GENERATOR ID# WID006090286 INVOICE INFORMATION
FROST CO NO BROKER FOR THIS SAMPLE
6523 14TH AVE
KENOSHA WI 53140-4900
CONTACT : JAMES LANCTOT
TELEPHONE : 414-658/4301

ANALYST NAME : C. BRUEHL
SALES REP: E FINDER
SAMPLE ARRIVAL DATE : 08/29/89
PROFILE ARRIVAL DATE : 08/29/89
CUSTOMER SAMPLE # : LM89-0797
SAMPLE SITE : KENOSHA WI
DATE COMPLETED : 08/29/89

ACCEPTANCE/DENIAL INFORMATION

USPCI Lone Mt. facility has the appropriate permits.

The waste identified below is:

ACCEPTABLE FOR DISPOSAL WITH THE FOLLOWING TREATMENT
STABILIZATION

COMMENTS : STABILIZATION IS REQUIRED TO MEET METAL STANDARDS. GENERATOR MUST
CERTIFY THAT TREATMENT STANDARDS FOR Cd HAVE BEEN MET.

TYPE OF CONTAINER : Metal drums barrels kegs

The following EPA Waste Codes were determined by the GENERATOR and MUST BE
Filed with the Oklahoma State Department of Health PRIOR TO SHIPMENT !

F006/ /

IF MORE THAN 3 WASTE CODES APPLY, THEY are listed in the comments section above

WASTE ANALYSIS INFORMATION

WASTE PROFILE SHEET # 24865

COLOR : GREY

WASTE NAME : METAL FINISHING SLUDGE

PHYSICAL STATE : SOLID

Specific Gravity : 1.10

pH : 8.53

Normality : .04

% Solids : 66

TLV Sniffer : 100

Flash Point/Ignitability : NEG

Heating Value BTU/LB :

Heating Value BTU/GAL :

Hexavalent Chromium Cr :

Water Soluble : NEG

Sulfides : NEG

Organic Chlorides : NEG

Cyanides as CN Total mg/l :

Cyanides as CN Free mg/l : NEG

TCLP :

Free Liquids : NEG

PROCESS PRODUCING WASTE : ELECTROPLATING, FINISH, PICKLI

LAND DISPOSAL RESTRICTION
CERTIFICATION REQUIRED
PER WASTE SHIPMENT
SEE 40 C.F.R. § 268.7

() Notification of Waste Subject
To Land Disposal Restrictions

APPROVAL *J. De M...* DATE 10-6-89 DENIAL _____ DATE _____

WASTE PROFILE SHEET

24865

EXHIBIT A TO

Contract Date

As prescribed by the Resource Conservation and Recovery Act (Public Law 98-580 Sec. 3004), a detailed chemical and physical analysis must be submitted before USPCI can handle your waste stream. This information is necessary to evaluate whether your waste can safely and economically be transported and disposed in an environmentally sound manner. Be as complete as possible. If an area is not applicable, mark "NA". Should a laboratory analysis be available, please attach it to this form. We can arrange analytical laboratory services, if needed, for an appropriate fee. All information we receive will be held in strictest confidence to protect your interests. **SAMPLE WILL NOT BE PROCESSED UNLESS ALL AREAS OF THIS SHEET ARE PROPERLY FILLED IN.**

Purchase Order No.

I.O: WPS#

Representative

I. GENERATOR INFORMATION

Name of Company First Co.
 Facility Address 6527 11th Ave.
Kenosha WI 53140-4900
 Mailing Address same
 Invoice Directions

() Check if conditionally small quantity generator per 40 CFR 261.5(a)

US EPA ID WIDCE010286
 Technical Contact Brian Zakowski
 Name Env. Coordinator
 Title Env. Coordinator
 Telephone 414, 658-4301
 General Contact Mois LaBelle
 Company Name First Co.
 Name Mfg. Manager
 Title 914, 658-4301
 Telephone

II. SOURCE OF WASTE

Describe the product or business of generator
Metal Fabrication
 Waste Name: Metal Finishing Sludge
 Describe the waste generating process
Electroplating, Electrofinishing
Pickling

Estimate rate of waste generated 100 ☐ lbs/yr ☐ tons/yr ☐ gal/yr
☐ drums/yr ☐ One time only

Is the waste from a RCRA or CERCLA corrective action order? ☐ Yes ☒ No
 (Check One)

Is EPA the generator? ☐ Yes ☒ No

Is the generator an EPA contractor? ☐ Yes ☒ No

Is the State the generator? ☐ Yes ☒ No

Is the generator a State contractor? ☐ Yes ☒ No

Is the generator a private party? ☒ Yes ☐ No

III. WASTE PROPERTIES

Physical state at room temperature ☐ Solid ☐ Liquid ☒ Sludge

Is the waste an Aqueous (water) Solution ☐ Yes ☒ No

pH Range: (circle one) ≤ 2 2-4 5-8 8-12.5 ≥ 12.5

OTHER PHYSICAL PARAMETERS:

Color Green Density 1.10 Odor (optional)

Is the waste contaminated ☒ Soil ☒ Debris

Describe

Chemical Composition and Constituents () PPM

() % (must total 100%)

(List all known)

Range

| | Lower | Upper |
|-------------------------------|-----------|-----------|
| <u>Metal Hydroxide Sludge</u> | <u>35</u> | <u>40</u> |
| <u>Water</u> | <u>20</u> | <u>40</u> |
| <u>Filter media</u> | <u>0</u> | <u>10</u> |
| <u>Trace Metals</u> | <u>0</u> | <u>5</u> |
| | () | () |
| | () | () |
| | () | () |
| | () | () |

IV. D-CODED HAZARDOUS WASTE (40 CFR 261 SUBPART C)

The concentrations referred to in items 4 through 17 are those determined to be EP Toxic.

Each item below must be circled yes or no

| Item | D-Code | Parameter | Circle One |
|------|--------|---------------------------------------|---|
| 1. | D001 | Ignitable $\leq 140^{\circ}\text{F}$ | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 2. | D002 | Corrosivity ≤ 2.0 or ≥ 12.5 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 3. | D003 | Reactivity | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 4. | D004 | Arsenic ≥ 5.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 5. | D005 | Barium ≥ 100 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 6. | D006 | Cadmium ≥ 1.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 7. | D007 | Chromium ≥ 5.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 8. | D008 | Lead ≥ 5.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 9. | D009 | Mercury ≥ 0.2 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

| Item | D-Code | Parameter | Circle One |
|------|--------|-----------------------------------|---|
| 10. | D010 | Selenium ≥ 1.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 11. | D011 | Silver ≥ 5.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 12. | D012 | Endrin ≥ 0.02 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 13. | D013 | Lindane ≥ 0.4 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 14. | D014 | Methoxychlor ≥ 10.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 15. | D015 | Toxaphene ≥ 0.5 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 16. | D016 | 2, 4-D ≥ 10.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |
| 17. | D017 | 2, 4, 5-TP Silvex ≥ 1.0 mg/l | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> |

V. LISTED F, K, U, AND/OR P HAZARDOUS WASTES

This waste stream does not contain any F, K, U, or P listed waste either in pure form, as a mixture, or as a treatment residue (i.e. ash, leachate, spill cleanup, etc.) except as listed below.

F, K, U or P hazardous waste present? False Yes ☐ No ☒

List the waste codes, if any, here

"Waste water" is defined by EPA as having less than 1% filterable solids and less than 1% total organic carbon, for the first third wastes.

Is this waste a "waste water"? ☐ Yes ☒ No

Has this waste been treated to meet the applicable standards of Table CCWE and CCW? ☐ Yes ☒ No

Does this waste meet the applicable standards of Table CCWE and CCW without treatment? ☐ Yes ☒ No

Is this a mixed hazardous waste and PCB waste that has been treated in a high efficiency boiler, incinerator or other thermal treatment unit? ☒ Yes ☐ No

If this waste is K061 then list the zinc concentration here NA mg/kg

VI. CALIFORNIA LIST WASTES

For all liquid hazardous waste including free liquids associated with any sludge or solid, does the liquid contain any of the following parameters in excess of the listed limit? Each item below must be circled yes or no.

| Item | Parameter | Limit | Circle One |
|------|---|-------------|---|
| 1. | pH | ≤ 2.0 | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 2. | Free Cyanides (per EPA method 9010 or 9012) | ≥ 1000 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 3. | PCBs | ≥ 50 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 4. | Arsenic and/or compounds (as As) | ≥ 500 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 5. | Cadmium and/or compounds (as Cd) | ≥ 100 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 6. | Chromium (VI) and or compounds (as CrVI) | ≥ 500 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 7. | Lead and/or compounds (as Pb) | ≥ 500 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 8. | Mercury and/or compounds (as Hg) | ≥ 20 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 9. | Nickel and/or compounds (as Ni) | ≥ 134 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 10. | Selenium and/or compounds (as Se) | ≥ 100 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |
| 11. | Thallium and/or compounds (as Tl) | ≥ 130 mg/l | Yes <input checked="" type="radio"/> No <input type="radio"/> |

All yes or no choices must be made. For all wastes attach copy of waste analysis data, if available.

Halogenated Organic Compounds (HOCs)

Does the waste stream contain a total concentration of halogenated organic compounds (see attached HOC LIST - Appendix III to Part 268) in excess of 1,000 mg/l.

Yes ☐ No ☒

VII. SHIPPING INFORMATION (49 CFR 172)

Proper DOT Shipping Name HAZARDOUS WASTE SOLID NOS (F006) MSR
 DOT Hazard Class 9 UN/NA Number 9150 Reportable Quantity 1
 Method of Shipment () Bulk Liquids () Bulk Solids
 (X) Drums (X) Other explain Main Bags

Special Handling and Safety Instructions

N/A - not applicable
Check per B label 9/15/89 MSR

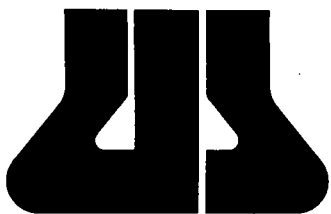
I certify and warrant that the above information, the information attached, and the waste stream as described is true and correct to the best of my knowledge and ability. Willful or deliberate omissions have not been made. All known and/or suspected hazards have been disclosed. A sample representative of the waste stream has been collected using EPA approved methods and has been or is being sent to the proper facility.

Signature Brian Zakowski

Title ENVIRONMENTAL COO

Date 8/23/89

CONTRACT ADMINISTRATION-OKC



USPCI, INC.

November 30, 1989

Mr. Brian Zakowski
Frost Company
6523 14th Avenue
Kenosha, WI 53140

Re: Waste Disposal and Transportation Agreement

Dear Mr. Zakowski:

Enclosed please find your fully executed copy of the above referenced agreement.

Thank you for your interest in USPCI, Inc. Please feel free to contact me at (713) 775-7846 if you need additional assistance.

Sincerely,

USPCI, Inc.

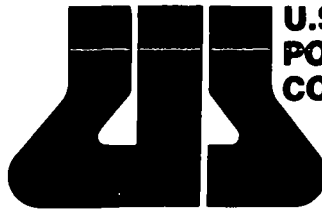
Donna M. Flowers

Donna M. Flowers
Contract Administrator

/dmf

Enclosure

cc: Earl Finder - USPCI, Inc.



**U.S.
POLLUTION
CONTROL, INC.**

WASTE DISPOSAL AND TRANSPORTATION SERVICES AGREEMENT

This Agreement is entered into as of this 25th day of October 19 89, by and between U.S. Pollution Control, Inc. (hereinafter referred to as "Contractor"), an Oklahoma corporation with offices at One Commerce Green, 515 W. Greens Road, Suite 500, Houston, Texas 77067, and Frost Company (hereinafter referred to as "Generator"), a _____ corporation with a "Generator Facility" located at _____ 6523 14th Avenue Kenosha, WI 53140

WHEREAS, Generator in the course of its business generates certain waste material from the "Generator Facility" which requires disposal, said material described in Exhibit A to this Agreement, which is attached hereto and made a part hereof, and hereinafter referred to as "Waste Material"; and

WHEREAS, Contractor has facilities or access to facilities and the ability to transport, dispose of, treat, and otherwise deal with the Waste Material in a lawful manner;

NOW, THEREFORE, in consideration of the covenants, mutual promises, and agreements set forth herein, the parties agree as follows:

I. Contractor Services

Contractor shall transport, process, treat, and dispose of the Waste Material as set forth in Exhibit A hereto in a careful, workmanlike, and lawful manner. Contractor shall take all necessary and appropriate precautions as to avoid injury to persons and damage to property and natural resources.

II. Compensation for Services

A. **Fee** — Generator shall pay Contractor for transporting, processing, treating and disposing of the Waste Material in accordance with the price terms stated in Exhibit B hereto.

B. **Taxes** — The foregoing fees shall be increased to include any amounts which Contractor is required to pay to local, state, or federal governments or agencies by virtue of a tax, tariff, fee, surcharge or other charge on the transportation, storage, treatment or disposal of the described waste material. Such amounts will be invoiced to the Generator as a separate item on monthly statements.

C. **Time of Payment** — Generator agrees to make payment within thirty (30) days after the date of invoice. Generator will be responsible for paying interest on any unpaid balance at the rate of one and one-half percent (1-1/2%) per month commencing upon the expiration of such thirty (30) day period.

III. Waste Analysis

A. **Generator** — For all Waste Material to be disposed of by Contractor, Generator shall, in addition to any labeling, placarding, marking, manifests, or other such documentation required by law, provide Contractor, in advance with a representative sample of the Waste Material, and with a detailed written physical and chemical description or analysis of the Waste Material to be dealt with by Contractor including a listing of unique chemical characteristics and processes which generated the waste, if such exist, that would be of material significance to the proper handling of such Waste Material. Generator understands that Contractor is relying on the certified description of the Waste Material contained in Exhibit A and that Contractor may or may not analyze the representative sample provided by Generator. The description or analysis shall set forth the concentration and/or range of concentrations of the constituents of the Waste Material.

B. **Contractor** — Contractor shall have the right to perform its own analysis of Waste Material delivered by Generator under this contract at any time at the expense of Contractor.

IV. Non-Conforming Waste Material

A. **Waste Material shall be considered non-conforming if:**

(i) it is not in accordance with the analyses, descriptions, specifications or limitations stated in Exhibit A; or, (ii) it has constituents or components, not specifically identified in the Exhibit A (a) which increase the nature or extent of the hazard or risk undertaken by Contractor in agreeing to handle, store, transport, off-load, recycle and/or dispose of the Waste Material, or (b) if Contractor's facility has not been designed or permitted for the handling, storage, recycling and/or disposing of the Waste Material.

B. **Rejection of Waste Material** — In the event Contractor shall determine that the Waste Material delivered by Generator is not in conformity with the Waste Material listed in Exhibit A, Contractor shall immediately notify Generator and the parties shall arrange for the satisfactory disposition of such Waste Material upon mutually agreeable terms and conditions. Contractor shall have the right to reject and return any non-conforming Waste Material to Generator and in such event, Generator shall pay Contractor's reasonable charges for the handling, transportation and time involved in return of such non-conforming Waste Material.

C. **Independent Analysis** — Contractor may, at any time, upon reasonable grounds to believe that the Waste Material furnished by Generator for disposal is not in conformity with the analysis listed in Exhibit A, so notify Generator and require that Generator have analysis of sample or samples of such Waste Material performed by qualified, reputable, independent chemical laboratory acceptable to Contractor. The results of such chemical analysis shall be furnished to Contractor. In the event the chemical analysis shows that the

particular Waste Material in question has the chemical analysis as described in Exhibit A, then Contractor shall pay the expense of the independent laboratory in performing the chemical analysis. In the event the chemical analysis shows that the chemical composition of the Waste Material is not as described in Exhibit A, then Generator shall pay costs of said analysis by the independent laboratory.

V. Title and Liability

A. Conforming Waste — Title to and liability for conforming Waste Material shall pass from Generator to Contractor when the loading operation of the Waste Material onto vehicles provided by the Contractor has been completed and said vehicles are ready to leave the Facility of the Generator.

B. Non-Conforming Waste — Title and liability for non-conforming Waste Material shall at all times remain in the Generator, unless, upon the discovery that the Waste Material is non-conforming, Contractor agrees in writing to perform services under this Agreement.

VI. Collection and Transportation

A. Suitable Transportation — Contractor shall provide suitable transportation to remove the Waste Material described in Exhibit A and haul Waste Material to disposal location. Contractor shall comply with all applicable statutes, rules, regulations and ordinances of the United States and all applicable state and local regulations in moving, handling, transporting and disposing of such Waste Material. Contractor shall require all carriers it may use to provide insurance coverage equivalent to that specified in Paragraph XI below of this agreement and upon request, Contractor shall provide certification of insurance coverage of such carriers to Generator.

B. Loading — Unless otherwise agreed upon in writing, Generator shall be solely responsible for loading the Waste Material on vehicles provided by Contractor. The parties agree and understand that refusal by drivers or other employees of Contractor or its subcontractors will not be considered a breach of this contract. As to all loading activities, Generator assumes full risk of loss as to all equipment and premises of Generator and as to transportation vehicles furnished by Contractor. Generator agrees that it shall hold Contractor harmless of and from any and all liability to any persons arising from injury or damage occurring during loading activities.

C. Safe Workplace — Generator shall provide a safe working environment for any Contractor employee, agent or subcontractor who must enter the Generator Facility in the course of performing services under this Agreement. Generator shall provide safe, satisfactory roadways and approaches to the point of loading. While on the Generator Facility premises, Contractor employees, agents and subcontractors shall comply with all of Generator's safety procedures, particularly those related to the handling of Waste Material, provided such procedures are conspicuously and legibly posted in the work area or have been furnished to Contractor by Generator prior to the commencement of work at the Generator Facility.

D. Corrective Action — Contractor and Generator each agree to take whatever actions are necessary to eliminate, abate and rectify any hazardous, unsafe, unhealthy or environmentally unsound conditions resulting from activities and operations within its control.

E. Emergency Procedures — In the event an emergency occurs while a Contractor employee, agent, or subcontractor is on the premises of the Generator Facility, Generator shall make available to such person or persons emergency services, including first aid, to the same extent that emergency services would be available to an employee, agent or subcontractor of Generator at the same facility.

VII. Contractor Warranties

Contractor warrants and represents to Generator that:

A. Contractor understands the currently known hazards and risks which are presented to human beings, property and the environment in the handling, storage, treatment, processing, and disposal of the Waste Material as described in Exhibit A.

B. Contractor is engaged in the business of transporting, storing, treating, recycling, and disposing of Waste Material, and has developed the requisite expertise for the handling and disposal of such.

C. Contractor will transport, store, treat, recycle and dispose of the Waste Material in full compliance with all valid and applicable statutes, ordinances, orders, rules and regulations of the federal, state and local governments in whose jurisdictions such activities are performed under this Agreement.

D. Any disposal facility (or facilities) used for disposal will have all permits, licenses, certificates or approvals, required by valid and applicable statutes, ordinances, orders, rules and regulations of the federal, state and local governments in which such facility is located, necessary to allow such facility to accept and store, treat, process and dispose of the involved Waste Material.

E. In the event the disposal facility loses its permitted status, or is involved in any proceeding which could result in the loss of its permitted status, during the term of this Agreement, Contractor will promptly notify Generator of such loss, or possible loss, of permitted status.

VIII. Generator Warranties

Generator warrants and represents to Contractor that:

A. The description of the Waste Material in Exhibit A is true and correct in all material respects, fairly advises Contractor of the hazards and risks presented to persons or the environment when exposed to the Waste Material and otherwise complies with all applicable material description requirements of local, state, and federal laws, rules or regulations.

B. The Waste Material to be delivered to Contractor will conform to the description provided in Exhibit A.

C. Generator will not, after its designation of the components of said Waste Material in Exhibit A, mix the Waste Material with other materials or otherwise cause the alteration of the characteristics or components of the Waste Material.

D. Containers of Waste Material which are supplied by Generator when tendered to Contractor will conform to the container specification and container marking and labeling requirements provided in applicable local, state and federal laws, rules and regulations, including but not limited to, regulations established by the United States Department of Transportation and Environmental Protection Agency.

E. Generator has obtained, and will during the term of this Agreement maintain, all permits, licenses, certificates or

approvals, required by applicable local, state and federal laws, as are necessary to allow Generator to hold its Waste Material on its premises and to lawfully tender it to Contractor.

F. Generator will report promptly to Contractor any information obtained by Generator at any time during the term of this Agreement, indicating that the Waste Material presents or may present a hazard or risk to persons or the environment which was not disclosed in Exhibit A.

G. Any manifest or shipping document required, by local, state or federal law or regulations, to be delivered to Contractor at the time of the tender of Waste Material, shall be delivered in the form and number required and shall have been prepared and executed in the manner and by those persons specified, in such laws or regulations.

H. Generator will have sole and exclusive title to the Waste Material until the time it is tendered to Contractor for transportation from Generator Facility and at that time Generator will not be prohibited by any governmental law, rule, regulation or order or other legal requirement, from transferring possession of and exclusive title to the Waste Material.

IX. Indemnification

A. **Contractor Indemnification** — Contractor shall indemnify, hold harmless and defend Generator, its present and future officers or directors, employees and agents, from such civil penalties, claims and causes of action (including costs of defenses, settlement, reasonable attorney fees) as may be brought on account of death or bodily injury to any person; destruction or damage to any property; injury to, destruction of or loss of natural resources; or any violation of any federal or state law, regulation or municipal ordinance, and which result from or arise out of Contractor's negligence, willful misconduct, breach of warranty or failure to perform services in accordance with this agreement. Notwithstanding the foregoing language, the Contractor shall not be liable for lost profits or other consequential damages.

Contractor's duty to indemnify is inapplicable to the extent that such penalties, claims, or causes of action result from Generator's delivery to Contractor of Waste Material not conforming to the description or analyses set forth in Exhibit A.

B. **Generator Indemnification** — Generator shall indemnify, hold harmless and defend Contractor, its present and future officers or directors, employees and agents, from such civil penalties, claims and causes of action (including costs of defense, settlement, reasonable attorney fees) as may be brought on account of death or bodily injury to any person; destruction or damage to any property; injury to, destruction of or loss of natural resources; or any violation of any federal or state law, regulation or municipal ordinance, and which result from or arise out of Generator's negligence, willful misconduct, breach of warranty, delivery to Contractor of non-conforming Waste Material, or failure of Generator to perform its responsibilities under this Agreement. Notwithstanding the foregoing language, the Generator shall not be liable for lost profits or other consequential damages.

Furthermore, Generator shall indemnify Contractor for any Contractor losses, damages or destruction of Contractor's property and equipment, injuries to or death of any Contractor employee or agent, which result from or arise out of Generator's negligence, willful misconduct, breach of warranty, delivery to Contractor of non-conforming Waste

Material, or failure of Generator to perform its responsibilities under this Agreement.

X. Right to Inspect

Generator has the right to inspect Contractor's facilities during normal working hours. The right of inspection and inspections actually performed by Generator shall not limit any of Contractor's responsibilities under this Agreement.

XI. Insurance

Contractor shall not begin any operations under this agreement until Contractor has obtained all of the insurance required and furnished certificates of insurance to Generator. Contractor shall maintain at its own expense, during the term of this Agreement, the following types of insurance:

Coverage Limits

| | |
|---|-----------------------------|
| Worker's Compensation | Statutory |
| Employer's Liability | \$100,000 each occurrence |
| General Liability (bodily injury and property damage combined) | \$1,000,000 each occurrence |
| Automobile Liability (bodily injury and property damage combined) | \$1,000,000 aggregate |
| | \$5,000,000 each occurrence |

Contractor shall maintain such environmental liability insurance, or meet applicable financial standards, as required by applicable local, state and federal laws, rules and regulations.

All insurance certificates shall provide for at least ten (10) days notice from insurer to Generator before coverage is cancelled or materially changed.

XII. Independent Contractor

Contractor is and shall be an independent contractor in the performance of all services under this Agreement. Contractor shall exercise exclusive control of the operation and activities of all employees, agents or subcontractors of Contractor at all times. Neither Contractor nor Generator shall have any authority to employ any person as an employee, agent or subcontractor for or on behalf of the other.

XIII. Confidentiality

Contractor and Generator shall treat as confidential property and not disclose to others during or subsequent to the term of this Agreement, except as is necessary to perform this Agreement, (and then only on a confidential basis satisfactory to both parties), any information (including any technical information, experience or data) regarding either party's plans, programs, plants, processes, products, costs, equipment, operations or customers which may come within the knowledge of the parties, their officers or their employees in the performance of this Agreement, without in each instance securing the prior written consent of the other party.

To the extent that either party shall be required by law or regulation to disclose the other party's confidential information, the parties shall not be bound to any pledges of confidentiality; however, the disclosing party shall immediately notify the other party of such requirement to disclose.

The foregoing obligations shall survive the termination of this Agreement.

XIV. Excuse of Performance

The parties agree that any delay or failure of either party to perform its obligations under this Agreement, except for the payment of money for services already rendered, shall be excused if and to the extent caused by acts of God, strikes, action of regulatory agencies, fire, flood, wind-storm, explosion, riot, war, sabotage or other cause or causes beyond the reasonable control of the party affected, provided that prompt notice of such delay is given by such party to the other and each of the parties hereto shall be diligent in attempting to remove such cause or causes.

Contractor also shall be excused from performance of this Agreement, except as required for services already performed, if Contractor loses any license, permit, or other authorization necessary for fulfilling its obligations. Contractor shall, however, promptly notify Generator of any changes affecting Contractor's ability to perform.

XV. Separability

If any section, subsection, sentence or clause of this Agreement shall be adjudged illegal, invalid or unenforceable, such illegality, invalidity or unenforceability shall not affect the legality, validity or enforceability of the Agreement as a whole or of any section, subsection, sentence or clause hereof not so adjudged.

XVI. Waiver

Any waiver by either party of any provision or condition of this Agreement shall not be construed or deemed to be a waiver of any other provision or condition of this Agreement, nor a waiver of a subsequent breach of the same provision or condition, unless such waiver be so expressed in writing and signed by the party to be bound.

XVII. Notices

All notices which are given or required to be given pursuant to this agreement shall be hand-delivered or mailed postage-paid as follows:

Generator:

Contractor: U.S. Pollution Control, Inc.
One Commerce Green
515 W. Greens Road, Suite 500
Houston, Texas 77067

XVIII. Assignment

Neither party shall assign any of its rights or obligations under this contract without the prior written consent of the other party.

XIX. Attorney Fees and Costs

Should it become necessary for either party to initiate legal proceedings to enforce any term or provision of this Agreement, the other party shall pay any and all costs and expenses incurred or sustained by the initiating party, including reasonable attorney fees and court costs, if the initiating party prevails.

XX. Entire Agreement

This Agreement contains the entire agreement between the parties and with regard to the matters dealt with in this Agreement, there are no understandings, representations or warranties of any kind not expressly set forth here. No

modification or amendment of this contract shall be affected by order, receipt, bill of lading or other forms not made a part of this Agreement, and no modifications or amendments shall be of any force or effect unless they be in writing and signed by the parties to be bound. This Agreement supersedes and takes precedence over any prior agreement between the parties.

XXI. Governing Law

This Agreement shall be construed and interpreted in accordance with the laws of Oklahoma.

XXII. Assigns and Successors

The covenants and agreements contained in this Agreement shall apply to, inure to the benefit of and be binding upon the parties hereto and upon their respective heirs, executors, administrators, assigns and successors in interest.

XXIII. Effect of Headings

All headings herein are for convenience only and in no way are to be construed as part of this Agreement or as a limitation of the scope of the particular sections to which they refer.

XXIV. Term of Agreement

The term of this agreement shall be for a period of one year from the date hereof and automatically renewed on the anniversary date thereof for a like period until such time as either party terminates the agreement in accordance with the provisions contained herein.

XXV. Termination of Agreement

Either party may terminate this Agreement if the other party (i) has been adjudicated a bankrupt, or (ii) has filed a voluntary petition in bankruptcy, or (iii) has made an assignment for the benefit of creditors, or (iv) a receiver has been appointed for such party.

Furthermore, either party may terminate this Agreement without cause by giving the other party thirty (30) days written notice of termination.

IN WITNESS WHEREOF, the parties have caused this Agreement to be executed by their duly authorized representatives.

GENERATOR

By Brian Zakawski
ENVIRONMENTAL COMPLIANCE COORDINATOR
(Title)

By Danilo Belon
U.S. POLLUTION CONTROL, INC.
Vice President - Sales
(Title)

ATTEST:

ATTEST:



USPCI, INC.

October 23, 1989

EXHIBIT "B"

NCLM/09

**CONTRACTOR
ACKNOWLEDGMENT COPY**

QUOTATION NO. Q8902238

SAMPLE ID NO. LM89-0797-89

Mr. Brian Zakowski
Frost Company
6523 14th Avenue
Kenosha, WI 53140

Dear Mr. Zakowski:

This letter will confirm the prices for transportation and disposal of your waste materials at our facility. This offer is good for sixty days and does not include any hazardous waste taxes which you may be obligated to pay, depending on the characteristics of your waste. Payment terms are net thirty (30) days.

TRANSPORTATION:

FROM: Kenosha, Wisconsin

TO: USPCI's Lone Mountain Facility

\$ 2,932.00 per load. 860 miles.

LTL rate: \$65.00/drum, scheduled at our convenience
stop charge: \$150.00

Demurrage = \$65.00 per hour after
the first two hours of loading.

Additional Charges: wastestream approval fee: \$250.00
drum overpacks, if required \$250.00/each

DISPOSAL:

Waste Description: metal finishing sludge

Estimated Volume: 100 drums/year

Shipped In: 55-gallon drums;
boxes approximately 1.3 cubic yards

Disposal Method: secure hazardous landfill

Disposal Charge: \$75.00/drum; \$120.00/cubic yard
Treatment Method: stabilization: \$40.00/drum
\$95.00/cubic yard

Additional Charges: none expected for conforming waste

Minimum Disposal Fee - \$500.00
Rejected Load Fee - \$350.00 plus return freight

Please show sample I.D. number on all correspondence.

The above prices are based on an approved wastestream composition. In the event that a non-conforming waste is received, you will be notified of additional charges, when applicable. Please note that all drum shipments must have the GM, GB, or LM approval number marked clearly on top of each drum. If you are a large quantity generator, please be sure that a Disposal Plan is completed and returned to the Oklahoma State Department of Health. The Oklahoma State Department of Health must approve your Disposal Plan before any material can be shipped. If you are a small quantity generator, please include a Small Quantity Generator certificate with each shipment.

Professional services and long-term security are qualities which have given USPCI, Inc. the excellent reputation which we continue to earn. USPCI offers a full range of environmental management services which include those of National Analytical Laboratories, one of the newest, most thoroughly equipped commercial labs available; Hydrocarbon Recyclers, Inc., the only fully permitted resource recovery company in Oklahoma; JTM Industries, Inc., serving originators and users of combustion and mineral processing by-products nationwide; and PRM, Inc., with facilities in locations across the United States to dispose of PCB oils and equipment and the USPCI Remedial Services Division, with the engineering equipment and personnel to solve your on-site waste management needs. All of these companies are fully owned subsidiaries of USPCI, Inc.

Enclosed please find two copies of our Standard Service Agreement. It is important that an executed contract be submitted before transportation and/or disposal services can be provided. Please sign both copies and return them to us; one will be returned to you for your files.

To acknowledge acceptance of this proposal, please sign one copy and return it to our corporate office at 515 West Greens Road, Suite 500, Houston, Texas, 77067, Attention: Contract Administrator. It will then be included as an Exhibit "B" in our contract with you.

We are pleased that we can be of service to your company. Please contact me if I can provide you with additional information. Thank you for your interest in USPCI.

Sincerely,

USPCI, Inc.

Earl E. Finder

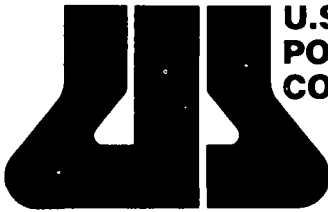
Earl E. Finder
Senior Sales Representative

EEF/jf

ACCEPTED BY: Brian Zakowski

DATE: 11/10/89

Contract Administrator Approval DF



**U.S.
POLLUTION
CONTROL, INC.**

SAMPLE MANIFEST FOR LM89-0797

U.S. POLLUTION CONTROL IS PROUD TO BE A FULL SERVICE COMPANY!

We want to assist you with the proper completion of the Uniform Hazardous Waste Manifest for this waste stream. Based on your generator information received and our analytical data from SAMPLE# LM89-0797, we suggest your waste stream could be shipped using the following information.

| | | | | | | | | | |
|---|--|--|--|--------------------------------------|--|---|----------------|--------------|--|
| UNIFORM HAZARDOUS WASTE MANIFEST | | 1. Generator's US EPA ID No. WID006090286 | | Manifest Document No. | | 2. Page 1 of ____ | | | |
| 3. Generator's Name and Mailing Address FROST CO 6523 14TH AVE KENOSHA WI 53140-4900 4. Generator's Phone (414-658/4301) | | | | | | A. State Manifest Document No. | | | |
| | | | | | | B. State Generator's ID | | | |
| 5. Transporter 1 Company Name U.S. Pollution Control Inc. | | | | 6. US EPA ID Number OKD981514474 | | C. State Transporter's ID D. Trans. Phone (405) 324-5011 | | | |
| 7. Transporter 2 Company Name | | | | 8. US EPA ID Number | | E. F. | | | |
| 9. Designated Facility Name and Site Address U.S. Pollution Control Inc.-Lone Mt. Facility Rt. #2 Box 180A Waynoka, Oklahoma 73860 | | | | 10. US EPA ID Number OKD065438376 | | G. State Facility's ID | | | |
| | | | | | | H. Facility's Phone (405) 697-3236 | | | |
| 11. US DOT Description (including Proper Shipping Name, Hazard Class, and ID Number) | | | | 12. Containers | | 13. | 14. | I. | |
| | | | | No. Type | | Total Qty | unit Wt/Vol | Waste No. | |
| a. RM HAZARDOUS WASTE, SOLID, NOS, ORM-E, NA9129 (F006) | | | | | | DM | | F006 | |
| b. | | | | | | | | | |
| c. | | | | | | | | | |
| d. | | | | | | | | | |
| J. Additional Descriptions for Materials Listed Above LM89-0797 - METAL FINISHING SLUDGE | | | | | | K. Handling Codes for Wastes listed above. | | | |
| 15. Special Handling Instructions and Additional Information | | | | | | | | | |
| 16. Generator's Certification PLEASE BE SURE THE GENERATOR HAS SIGNED AND DATED IN THIS SECTION OF THE MANIFEST !! | | | | | | | | | |



USPCI, INC.

October 23, 1989

EXHIBIT "B"

NCLM/09

QUOTATION NO. Q8902238

SAMPLE ID NO. LM89-0797-89

Mr. Brian Zakowski
Frost Company
6523 14th Avenue
Kenosha, WI 53140

Dear Mr. Zakowski:

This letter will confirm the prices for transportation and disposal of your waste materials at our facility. This offer is good for sixty days and does not include any hazardous waste taxes which you may be obligated to pay, depending on the characteristics of your waste. Payment terms are net thirty (30) days.

TRANSPORTATION:

FROM: Kenosha, Wisconsin

TO: USPCI's Lone Mountain Facility

\$ 2,932.00 per load. 860 miles.

LTL rate: \$65.00/drum, scheduled at our convenience
stop charge: \$150.00

Demurrage = \$65.00 per hour after
the first two hours of loading.

Additional Charges: wastestream approval fee: \$250.00
drum overpacks, if required \$250.00/each

DISPOSAL:

Waste Description: metal finishing sludge

Estimated Volume: 100 drums/year

Shipped In: 55-gallon drums;
boxes approximately 1.3 cubic yards

Disposal Method: secure hazardous landfill

Disposal Charge: \$75.00/drum; \$120.00/cubic yard

Treatment Method: stabilization: \$40.00/drum
\$95.00/cubic yard

Additional Charges: none expected for conforming waste

Minimum Disposal Fee - \$500.00

Rejected Load Fee - \$350.00 plus return freight

Please show sample I.D. number on all correspondence.

The above prices are based on an approved wastestream composition. In the event that a non-conforming waste is received, you will be notified of additional charges, when applicable. Please note that all drum shipments must have the GM, GB, or LM approval number marked clearly on top of each drum. If you are a large quantity generator, please be sure that a Disposal Plan is completed and returned to the Oklahoma State Department of Health. The Oklahoma State Department of Health must approve your Disposal Plan before any material can be shipped. If you are a small quantity generator, please include a Small Quantity Generator certificate with each shipment.

Professional services and long-term security are qualities which have given USPCI, Inc. the excellent reputation which we continue to earn. USPCI offers a full range of environmental management services which include those of National Analytical Laboratories, one of the newest, most thoroughly equipped commercial labs available; Hydrocarbon Recyclers, Inc., the only fully permitted resource recovery company in Oklahoma; JTM Industries, Inc., serving originators and users of combustion and mineral processing by-products nationwide; and PRM, Inc., with facilities in locations across the United States to dispose of PCB oils and equipment and the USPCI Remedial Services Division, with the engineering equipment and personnel to solve your on-site waste management needs. All of these companies are fully owned subsidiaries of USPCI, Inc.

Enclosed please find two copies of our Standard Service Agreement. It is important that an executed contract be submitted before transportation and/or disposal services can be provided. Please sign both copies and return them to us; one will be returned to you for your files.

To acknowledge acceptance of this proposal, please sign one copy and return it to our corporate office at 515 West Greens Road, Suite 500, Houston, Texas, 77067, Attention: Contract Administrator. It will then be included as an Exhibit "B" in our contract with you.

We are pleased that we can be of service to your company. Please contact me if I can provide you with additional information. Thank you for your interest in USPCI.

Sincerely,

USPCI, Inc.

Earl E. Finder

Earl E. Finder
Senior Sales Representative

EEF/jf

ACCEPTED BY: Brian Zolawski

DATE: 11/10/89

Contract Administrator Approval DJ